2014

The LNG Industry

GIIGNL

The LNG Industry in 2014

Editorial

Dear Colleagues,

As we have been commemorating in 2014 the 50th anniversary of commercial LNG deliveries, our industry is facing more opportunities and challenges than ever.

In the main, the global LNG industry can look back on 2014 as another year of relative stagnation with LNG trade reaching 239.2 MMT, a 1% increase over 2013, but just below 2011 levels. Although one new liquefaction plant came on stream in May in Papua New Guinea and one expansion train started producing in Algeria , disappointments in Angola and Egypt and slowdown in Qatar limited the volume of additional LNG supply. Low demand in South Korea as well as slower than expected growth in China contributed to loosen the market tightness observed in recent years, foreboding the **return of a buyers' market** as the year progressed.

Other highlights in the past year's review of LNG imports are the remarkable gain in India, ahead of the U.K and Japan's demand increase , and the arrival of Lithuania as the world's 30th importer with a floating storage and regasification unit (FSRU). On the supply side, Queensland Curtis was on the brink at year-end of joining the producers' rank and managed to load its first cargo in December. Nigeria showed the second largest addition of supply (after PNG) attributable to a much improved feed-gas supply.

During the second half of the year a sharp decrease in crude oil prices combined with a looser supply situation in the Pacific drove down prices in Asia, where spot prices were halved between March and October of last year. On the supply side, this price drop in Asia will inevitably slow down or defer development of expensive new supply projects. On the demand side, it has begun to translate into the return of flexible LNG cargoes to Europe, where spot prices have been disconnected from oil prices for some time.

In this context of demand and price uncertainty, **traditional procurement models are changing** , as new players with different business models emerge, new procurement alliances are being formed and new commercial offerings are being structured; all mainly in the pursuit of enhanced flexibility both in terms of destination and pricing. LNG players' quest for flexible volumes and volume risk mitigation has contributed to a multiplication of portfolio deals last year, mainly for short to medium-term durations. In parallel, the addition of flexible quantities with a lengthening of trade voyages and the entry of new players results in the need for an expansion of the LNG fleet - with 77 new orders placed in 2014 - compared to a total fleet of 421 at year-end.

Meanwhile, the Ukraine-Russia crisis and the start-up of six new regasification terminals worldwide reminds us that **LNG is an effective tool to ensure security of supply**. In this regard FSRUs are continuing to expand worldwide, with 20 units on the water at the end of 2014 and several more to come in 2015.

3 FIDs have been taken in 2014, namely Cameron and Freeport in the USA and Rotan FLNG in Malaysia, for a combined capacity of about 25 mtpa. Although not formally announced at the time of this writing, Cove Point is reported to have started construction work on site. **Prospects for LNG demand throughout the world remain strong**, and the industry is waiting for the wave of new exports from the United States and from Australia, who will likely top the producers' list by 2020. Noteworthy is also that the dominant market share and role of Middle East producers will diminish.

The structure of demand should also evolve, mainly driven by the emergence of new importers from fast growing economies in South East Asia and in India.

China's appetite for gas will significantly influence the global LNG market, although several uncertainties remain concerning the price elasticity of demand, the policy changes promoting cleaner fuels and the competition of large gas pipeline projects .

Finally, stricter legislation on shipping emissions starting in January 2015 in the Atlantic basin will help stimulating the development of small scale LNG, offering new opportunities of growth as well as new challenges.

We hope you will find our report a helpful tool in your daily activities and remain committed to facilitate LNG trade and, foremost,   improve the safety and reliability of our industry.

Yours sincerely,

Domenico Dispenza

Contents

Key figures 2014

239.2 million tons imported or a **1%** increase vs.2013

69.6 million tons traded on a spot or short-term basis or **29%** of total trade

75% of global LNG demand in Asia

40% of global LNG volumes supplied from the Middle-East

38% of global LNG volumes supplied from Asia-Pacific

110 LNG receiving terminals

30 importing countries

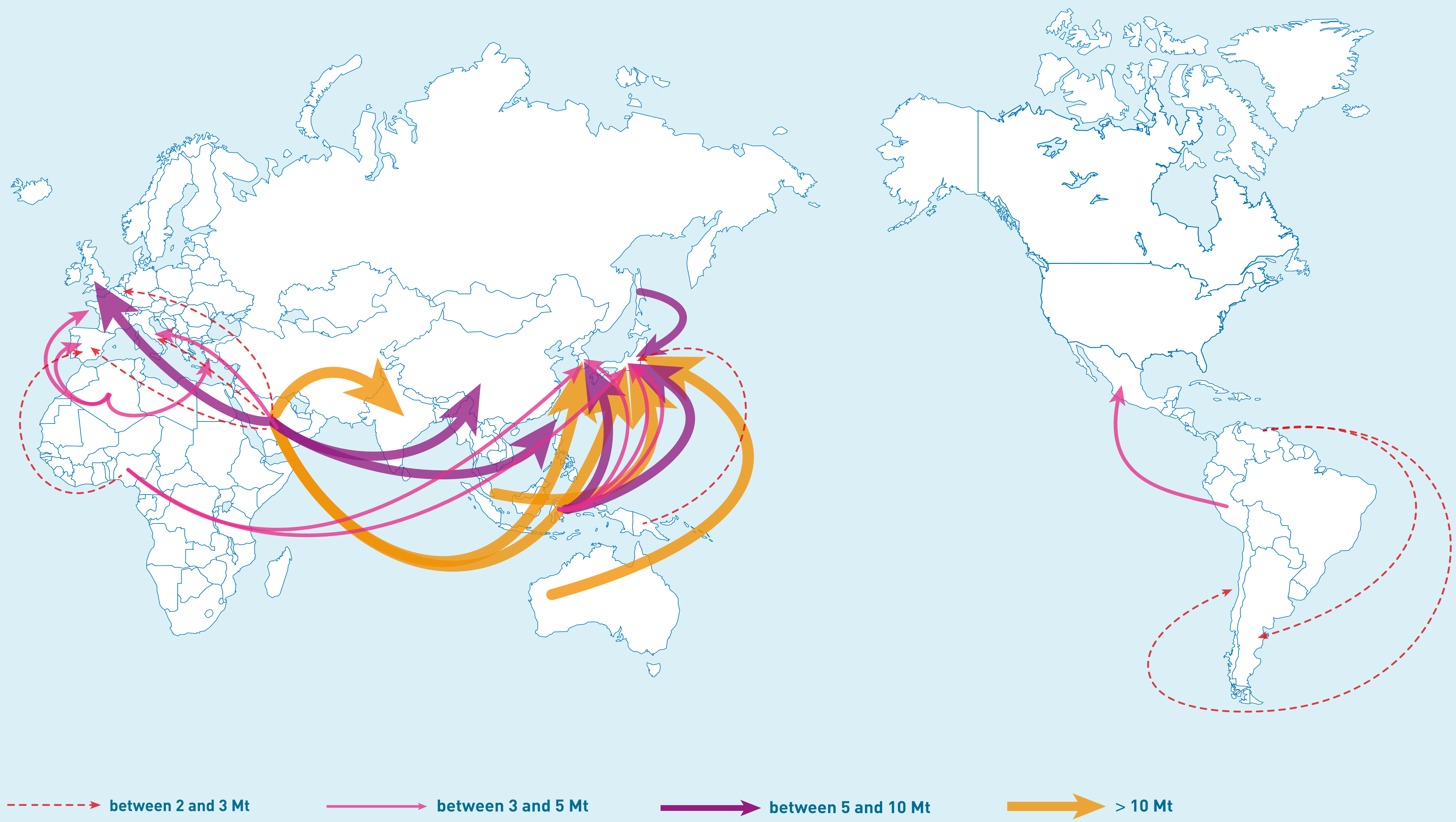
751 mtpa total regasification capacity

19 exporting countries

298 mtpa nameplate liquefaction capacity

LNG Trade in 2014

Major LNG Flows



In 2014, global LNG imports reached 239.2 Mt, a 1% increase compared to 2013, but still below 2011 levels (240.8 Mt).

A SLIGHT UPTURN IN SUPPLY

In 2014, global LNG imports increased by about 2.3 Mt. One new supply source came on-stream with the start-up of a two-train liquefaction plant in Papua New Guinea, which quickly reached full production capacity.
Taking into account the restart of the Kenai plant in Alaska, 19 countries produced LNG in 2014. For the third year in a row, the increase in supply was however partly offset by a reduction in production from several exporting countries :
In the Asia-Pacific Basin, incremental volumes from Papua New Guinea (+3.4 Mt) and Australia (+1.2 Mt) were partly counterbalanced by a lower output from all other countries, in particular from Indonesia (-1 Mt), Brunei (-0.9 Mt) and Malaysia (-0.3 Mt).
In the Middle East, maintenance work on the Ras Laffan facilities curtailed Qatar's annual output by 1.7 Mt. Lower than expected volumes from Oman (-0.6 Mt) and Yemen (-0.6 Mt) largely offset additional supplies from Abu Dhabi (+ 1 Mt).
In Egypt (-2.4 Mt), exports were further reduced due to growing domestic demand. Supply from the Atlantic Basin nevertheless progressed for the first time since 2010, driven by improved performance in Nigeria (+2.7 Mt) as well as in Algeria (+1.9 Mt) thanks to the start-up of an expansion train (GL3Z) at Algeria's Arzew plant. These gains in production must not conceal the fact that both countries are still only recovering their 2011 production level, with respectively 19.1 Mt and 12.7 Mt exported in 2014. Noteworthy, Norway reached its record export level, with close to 3.6 Mt marketed in 14 countries last year.

LOWER THAN EXPECTED GROWTH IN ASIA

Asian imports remained the main growth driver in 2014. The region represents more than 75% of global LNG demand. After a year of stagnation in 2013, the largest increase in demand came from India (+1.5 Mt), mainly due to reduced availability of hydropower.
The biggest variation came from sluggish demand in South Korea, where a mild weather combined with several nuclear restarts induced a -2.8 Mt decline in LNG imports (-6.9%). Unsurprisingly, Japan remains the world's leading importer. With no nuclear restarts in 2014, LNG consumption in Japan continued to rise (+1.2 Mt) and exceeded 89 Mt, which represents more volumes than Asia's total imports ten years ago. Despite the start-up of two new terminals in China last year, Chinese imports recorded a lower than expected growth (+2%, representing 0.4 Mt) due to the economic slowdown and to stronger fuel competition in the country. In total, Asian LNG demand growth nevertheless outpaced the global growth rate of around 1%, which translated into 2 Mt of additional LNG consumption. Looking back over recent years, the development of LNG in the Asian region has been impressive. Asian LNG imports have doubled over the last decade, and so has the number of importing countries in the region.

EUROPEAN IMPORTS STILL DEPRESSED

In 2014, despite growth in the U.K (+1.5 Mt) due to an increase in Qatari deliveries and in Turkey (+1 Mt) where LNG demand continues to be driven by power generation, European LNG import activity overall further declined (-1.5 Mt) and allmost all European countries recorded double-digit drops in LNG demand. As an example, no European country is listed in the world's top 5 importers, and France is no longer part of the top 10 importing nations. Several European terminal operators took special measures in order to operate in low send-out conditions to accommodate this new environment. Consequently, Europe's share of global imports decreased from 14.3% in 2013 to 13.6% in 2014.
With 8.4 Mt imported last year The U.K came back as Europe's leading LNG importer, with a large part of the volumes delivered into South Hook as a consequence of low demand in Asia and of the redirection of Qatari volumes. Second to the U.K, Spain imported a total of about 11.7 Mt last year, but re-exported more than 3.8 Mt. On the same pattern, more than half of the volumes imported in Belgium during the year (2.1 Mt) were eventually re-exported (1.1 Mt). The same applies to the Netherlands, where 0.35 Mt were reloaded out of Rotterdam.
Unlike Europe, Latin America recorded a strong increase in demand (+1.8 Mt). Two thirds of incremental demand came from Brazil, who imported a record 5.3 Mt due to the dry weather conditions and to the low level of hydropower. Mexico remains the leading importer in the region, with 6.6 Mt in 2014.

SPOT & SHORT-TERM TRADING ON THE RISE

Spot and short-term LNG trading - volumes delivered under contracts of four years or less - continued to increase last year, reaching 69.6 Mt, a 4.6 Mt increase over 2013 (+7%). The share of spot and short-term trades reached 29% of total flows, compared with 27% in 2013 and 25% in 2012.
Asian buyers attracted around 74% of spot and short-term volumes, with Japan alone accounting for 37% of the total (25.8 Mt). Japan imported 4.1 Mt of additional spot & short-term volumes compared with 2013. These additional volumes were mostly supplied from Papua New Guinea and Australia. The Middle East remains the main source of spot and short-term LNG, representing 43% of total supply, followed by Atlantic Basin exporters (36%) and Asia Pacific (21%).
Reloaded quantities jumped 51% last year, reaching 6.4 Mt. About 108 cargoes were re-exported and delivered to 19 countries, compared with 14 in 2013. With close to 6 Mt, Europe accounted for 95% of global re-exports. Spain was the main source accounting for about 60%. Despite a reduced Atlantic/Asian price differential compared to 2013, more than half of the total re-exports were absorbed by Asia (3.2 Mt). One-third of the reloaded quantities were delivered into Latin America, with Brazil and Argentina accounting for the largest share (1.9 Mt).
Generally speaking, "non-conventional" trades are on the rise, with several occurrences of two and sometimes three-port loadings and unloadings observed last year.

Contracts concluded in 2014

Origin	Export country / Exporter	Buyer	Import country	Amount (mtpa)	Duration (years)	Comments	Start	Delivery format
Long & Medium Term Sales	ALGERIA/Sonatrach	Botas	TURKEY	3	10	Extension of existing contract	2015	DES
	BP	Tokyo Electric	JAPAN	1.2	18		2017	DES
	BP	CNOOC	CHINA	1	20		2019	DES
	BP	CNOOC	CHINA	0.5	15		2019	FOB
	BP	Pavilion	N/A	0.4	20		2019	
	BP Indonesia (Tangguh´s Trains 1, 2, 3)	Perusahaan Listrik Negara (PLN)		1.5	19		2015	
	BP	KPC	KUWAIT	6-8 shipments per year	5		2014	
	COLOMBIA/ Pacific Rubiales	Gazprom Marketing & Trading Singapore	GM&T Portfolio	0.5	4		2015	FOB
	Gas Natural Fenosa	BHP Billiton	CHILE (Mejillones)	0.5	6		2016	DES
	Osaka Gas	Hiroshima Gas	JAPAN	0.05 ~ 0.13	15		2016	DES
	MALAYSIA/Malaysia LNG	JX Nippon Oil & Energy	JAPAN	0.4	10		2015	DES
	MALAYSIA/Malaysia LNG	Tohoku Electric	JAPAN	0.4	10		2016	DES
	MALAYSIA/Malaysia LNG Sdn. Bhd. (SPA Amendment)	Saibu Gas Co., Ltd.	JAPAN	0.39 (2014) 0.45 (2015-2028)	15		2014	DES/FOB
	MALAYSIA/Petronas	CPC	TAIWAN	2	5		2015	DES
	NORWAY/Statoil	Litgas	LITHUANIA	0.4	5		2014	DES
	QATAR/Qatargas 3	Tohoku Electric	JAPAN	0.1 ~ 0.18	15		2016	DES
	RUSSIA/Yamal	CNPC	CHINA	3				DES
	RUSSIA/Yamal LNG	Gazprom Marketing & Trading Singapore	GM&T Portfolio	HoA: 'Up to 3 mtpa' NOTE: SPA signed 23-Jan-15 (i.e. not concluded in 2014). Volume 2.9 mtpa				FOB at a transshipment point in Western Europe
	Shell	KPC	KUWAIT	1 ~ 1.2	5 to 6 years		2014	DES
	Shell	Chubu Electric	JAPAN	up to 12 cargoes/ year	20		2014	DES
	Shell	GDF SUEZ	GDF SUEZ Portfolio	0.4	20		2014	DES
	Total Gas & Power	Pavilion Energy	ASIA including Singapore	0.7	10		2018	DES
	USA/ Cheniere/Corpus Christi Trains 1-3	Endesa	Endesa Portfolio	1.5	20	Option to extend for 10 years	2018	FOB
	USA/ Cheniere/Corpus Christi Trains 1-3	Endesa	Endesa Portfolio	0.75	20	Option to extend for 10 years	2018	FOB
	USA/Cheniere/Corpus Christi Train 2	Iberdrola	Iberdrola Portfolio	0.76	20	In addition to existing 0.4 mtpa from Train 1. Option to extend for 10 years	2019	FOB
	USA/Cheniere/Corpus Christi Train 2	Gas Natural Aprovisionamentos	Gas Natural Fenosa Portfolio	1.5	20	Option to extend for 10 years	2019	FOB
	USA/ Cheniere/Corpus Christi Train 2	Woodside	Woodside Portfolio	0.85	20	Option to extend for 10 years	2019	FOB
	USA/Cheniere/Corpus Christi Train 2	Pertamina	INDONESIA	0.76	20	In addition to existing 0.76 mtpa contract signed in 2013	2020	FOB
	USA/Cheniere/Corpus Christi Trains 3	EDF	EDF Portfolio	0.77	20	In addition to existing 0,38 mtpa from Train 2. Option to extend for 10 years	2019	FOB
	USA/Cheniere/Corpus Christi Train 3	EDP	EDF Portfolio	0.77	20	Option to extend for 10 years	2019	FOB
	USA/GDF SUEZ/Cameron LNG	CPC	TAIWAN	0.8	20		2018	DES
	USA/Mitsui & Co., Ltd./ Cameron LNG	Kansai Electric	JAPAN	0.4	20		2017	DES
	USA/Mitsui & Co., Ltd./ Cameron LNG	Toho Gas	JAPAN	0.3	20		2017	DES
	USA/Mitsui & Co., Ltd./ Cameron LNG	Tokyo Gas	JAPAN	8 cargoes	20		2020	DES
	USA/Cameron LNG	Pavilion	ASIA	0.4				
Short Term Contracts (< 4 yrs)	ALGERIA/Sonatrach	EGAS	EGYPT	6 cargoes	6 months		2015	DES
	AUSTRALIA/Woodside/Pluto	KOGAS	KOREA	2.2	3	Option to extend for 3 years	April 2014	DES
	ENI	KOGAS	KOREA	0.4	2	Option to extend for 2 years	January 2014	DES
	ENI	Mitsubishi	JAPAN	0.2 (3 cargoes)	1		2015	DES
	GDF SUEZ	Tohoku Electric	JAPAN	between 0.214 and 0.27 mtpa	2 years and 5 months		2014	DES
	GDF SUEZ	GSPC	INDIA	between 0.3 and 0.33 mtpa	5 months (until end of March 2015)		2014	DES
	GDF SUEZ	Marubeni	JAPAN	between 0.2 and 0.28 mtpa	7 months (until end of March 2016)		2016	DES
	GDF SUEZ	Chubu Electric	JAPAN	between 1.04 and 1.47 mtpa	2 years and 3 months (until end of March 2017)		2015	DES
	Petronas LNG	CPC	TAIWAN	0.6	6		2014	DES
	QATAR/RasGas	E.ON Global Commodities	UK	0.5	3	Option to extend for 1 year	2014	DES
	QATAR/RasGas	Petronet LNG Ltd.	INDIA	0.5	1		2014	CFR

Origin	Export country/exporter	Purchaser	Import country	Amount (mtpa)	Duration (years)	Comments	Start	Delivery format
Short Term Contracts (< 4 yrs)	QATAR (Qatargas 2 - Train 4)	KPC	KUWAIT	8 cargoes			2014	
	QATAR	Botas	TURKEY	9 cargoes			2014/2015	
Heads of Agreement (H.O.As)	AUSTRALIA/ Prelude	Tokyo Electric	JAPAN	0.56	8		2017	DES
	AUSTRALIA/ Prelude	Shizuoka Gas	JAPAN	0.07	8		2017	DES
	GDF SUEZ	Chubu Electric	JAPAN	1.2 (20 cargoes)	2 years and three months		2015	DES
	INDONESIA	PT Pertamina (Persero)	INDONESIA	0.7	7		2017	FOB
	Petronas LNG	Keppel Gas Pte Ltd	SINGAPORE	1	10		2017	FOB
	USA/Diamond Gas International/Cameron LNG	Tokyo Electric	JAPAN	0.8	20		2017	FOB
	USA/GDF SUEZ/Cameron LNG	Tohoku Electric	JAPAN	0.3	20		2018	DES
	USA/Diamond Gas International/Cameron LNG	Tohoku Electric	JAPAN	0.2	16		2022	DES
	USA/Mitsui & Co., LTD./ Cameron LNG	CNOOC Gas & Power Trading and Marketing Ltd.	CHINA	0.2	20		2019	FOB
Memorandums Of Understanding (M.O.Us)	CANADA/Woodfibre LNG	Guangzhou Gas	CHINA	1	25		2017	

Long-term and medium-term LNG contracts in force in 2014*

Export Country	Loading Point	Seller	Buyer	Nominal quantity ACQ 10^6 t/year	Duration	Type of contract	Comments
ATLANTIC BASIN							
Algeria	Skikda-Bethioua	Sonatrach	GDF SUEZ	3.70	1976/2019	FOB	
			GDF SUEZ	2.50	1972/2019	FOB	Extension to 2019
			GDF SUEZ	1.30	1992/2019	FOB	
			Eni	1.33	1997/2017	FOB	
			Iberdrola	1.15	2002/2021	DES	
			Botas	3.02	1994/2014	DES	Extended until 2024 with a higher volume of up to 3.2 mtpa
			Enel	0	1999/2022	DES	Delivery under the "GDF SUEZ/Enel" swap agreement. In 2014 no delivery accounted under this contract
			Cepsa	0.77	2002/ 2022	DES	
			Statoil	0.75	2003/2009	DES	Extension to 2014
			Endesa	0.75	2002/2017	DES	
			DEPA S.A.	0.50	2000/2021	CIF	
Egypt	Idku	ELNG T1	GDF SUEZ	3.60	2005/2025	FOB	Currently under Force Majeure
		ELNG T2	BG	3.60	2006/2026	FOB	Currently under Force Majeure
	Damietta	SEGAS	BP	1	2005/2025	FOB	Currently under Force Majeure
		SEGAS	Union Fenosa gas	3.30	2005/2030	FOB	Currently under Force Majeure
Equatorial Guinea	Punta Europa	EGLNG	BG	3.30	2006/2023	FOB	
Nigeria	Bonny Island	Nigeria LNG T1 & 2	Enel	2.57	1999/2022	DES	
			Gas Natural Aprovisionamientos	1.17	1999/2021	DES	
			Botas	0.91	1999/2021	DES	
			GDF SUEZ	0.33	1999/2022	DES	
			Galp Energia	0.26	1999/2022	DES	
		Nigeria LNG T3	Gas Natural sdg	1.99	2002/2024	DES	
			Galp Energia	0.73	2002/2022	DES	
		Nigeria LNG T4	Eni	1.15	2006/2026	DES	
			Iberdrola	0.38	2006/2026	DES	
		Nigeria LNG T4 & 5	BG	2.30	2006/2026	DES	
			Galp Energia	1.42	2006/2026	DES	
			Shell International Trading Middle East	1.13	2006/2026	DES	Contract novated to Shell Middle East from Shell Western
			Endesa	0.75	2006/2026	DES	
			Total	0.23	2006/2026	DES	
		Nigeria LNG T6	Total	0.90	2008/2027	DES	
			Shell Western LNG	3.10	2008/2027	DES	
Norway	Hammerfest	Statoil	Statoil	≈1.75	2007/2021	DES	
			Iberdrola	1.13	2006/2025	DES	
		Total	Total	0.70	2007/depletion	FOB	
		GDF SUEZ	GDF SUEZ	0.50	2007/depletion	FOB	
		Statoil	Petronas	0.10	2012/depletion	FOB	
Trinidad & Tobago	Point Fortin	Atlantic LNG T1	GDF SUEZ	1.98	1999/2018	FOB	
			Gas Natural Aprovisionamentos	1.06	1999/2018	FOB	
		Atlantic LNG T2 & 3	BG	1.70	2004/2023	FOB	
			BG	0.40	2004/2026	DES	
			Shell	1.60	2006/2023	FOB	Former Repsol contract
			BP	0.85	2002/2021	FOB	
			Naturgas Energia	0.70	2003/2023	FOB	GNF/Naturgas swap. GNF buys 0.74 mtpa on a FOB basis until 2023
			Gas Natural sdg	0.65	2002/2023	FOB	
		Atlantic LNG T4	BP	2.50	2006/2025	FOB	
			BG	1.50	2007/2027	FOB	
			Shell	1	2014 /2024	FOB	As part of Repsol LNG Acquisition
		BP	AES	0.75	2003/2023	DES	Related to BP/ALNG T2 & 3 contract
		GDF SUEZ	Ecoelectrica	0.60	2000/2020	DES	Related to GDF SUEZ/ALNG T1 contract
PACIFIC BASIN							
Australia	Withnell Bay	Woodside, Shell, BHP Billiton, BP, Chevron, Japan Australia LNG Pty Ltd (Mitsubishi & Mitsui)	The Chugoku Electric	1.43	2009/2021	DES	
			Tokyo Gas, Toho Gas	1.37	2004/2029	FOB	
			Kyushu Electric	0.70	2009/2023	FOB	
			Osaka Gas	1	2004/2033	FOB	
			Tohoku Electric	1	2010/2019	DES	
			Toho Gas	0.76	2009/2019	DES	
			Chubu Electric	0.60	2009/2029	DES	
			Tokyo Gas	0.50	2009/2017	DES	
			Osaka Gas	0.50	2009/2015	DES	
Australia	Withnell Bay	Woodside, Shell, BHP Billiton, BP, Chevron, Japan Australia LNG Pty Ltd (Mitsubishi & Mitsui)	The Kansai Electric	0.50 - 0.93	2009/2024	DES	
			Chubu Electric	0.50	2009/2016	DES	
			The Kansai Electric	0.20 - 0.44	2009/2017	DES	
			Tokyo Electric	0.30	2009/2017	DES	
			Kyushu Electric	0.50	2006/2021	DES	
			Shizuoka Gas	0.13	2004/2029	FOB	
			KOGAS	0.50	2003/2016	DES	
			GDLNG	3.30	2006/2030	FOB	
	Darwin	Conocophillips, ENI, Santos, Inpex,TTSR	Tokyo Electric	2	2006/2022	FOB	
			Tokyo Gas	1	2006/2022	FOB	
	Pluto	Pluto LNG	The Kansai Electric	1.75 - 2	2011/2025	FOB	
		Pluto LNG	Tokyo Gas	1.50 - 1.75	2011/2025	FOB	
	Curtis Island	QCLNG	BG	up to 4.25	2014/2034	FOB	
		BG	CNOOC	3.60	2014/2034	DES	
Brunei	Lumut	Brunei LNG	Tokyo Gas, Osaka Gas, Tokyo Electric	3.40	2013/2023	DES	Extended to 2023
			KOGAS	1	1997/2018	DES	
			Shell	0.80	2013/2023	FOB	
Indonesia	Bontang	Pertamina, Total E&P Indonesia, INPEX	Kansai Electric, Chubu Electric, Kyushu Electric, Osaka Gas, Toho Gas, Nippon Steel & Sumitomo Metal	3	2011/2020	FOB/DES	Nominal quantity (ACQ) 2011/2015 : 3 mtpa 2016/2020 : 2 mtpa
			Hiroshima Gas, Nippon Gas, Osaka Gas	0.39	1996/2015	DES	
			KOGAS	2	1994/2014	FOB	Expired in 2014
			KOGAS	1	1998/2017	FOB	
			CPC	1.84	1998/2017	DES	
	Tangguh	Tangguh PSC Contractor Parties	Sempra LNG	3.70	2008/2029	DES	1.7 mtpa divertible
			CNOOC	2.60	2009/2033	FOB	
			Kansai Electric	1	2014/2035	DES	
			SK E&S	0.60	2006/2026	DES	
			Posco	0.55	2005/2024	DES	
			Tohoku Electric	0.12	2010/2024	DES	
Malaysia	Bintulu	Malaysia LNG Satu	Tokyo Gas, Tokyo Electric	7.40	1983/2003	1.8 mtpa FOB/ 5.6 mtpa DES	Extended to 2018
			Saibu Gas	0.39 (until 2014) 0.45 (2015 onward)	2014/2028	DES	
			Shikoku Electric	0.36	2010/2025	DES	Complex contract
			Hiroshima Gas	0.008-0.016	2005/2012	FOB	Extended to 2015
		Malaysia LNG Dua	The Kansai Electric, Toho Gas, Tokyo Gas, Osaka Gas	2.10	1995/2015	DES	
			Gas Bureau, City of Sendai	0.15	1997/2016	DES	
			Chubu Electric	≈ 0.54	2011/2031	DES	
			Tohoku Electric	0.50	1996/2016	DES	
			Shizuoka Gas	0.45	1996/2016	DES	
			KOGAS	1-2	1995/2018	FOB	
			CPC	2.25	1995/2015	DES	
		Malaysia LNG Tiga	Tokyo Gas, Toho Gas, Osaka Gas	0.68	2004/2024	DES	
			Toho Gas	0.52	2007/2027	DES	
			Tohoku Electric	0.50	2005/2025	DES	
			Japan Petroleum Exploration co.	0.48	2002/2021	DES	
			CNOOC	3	2009/2029	DES	
			KOGAS	2	2008/2028	DES	
Papua New Guinea	Port Moresby	PNG LNG	Sinopec	2	2014/2034	DES	
			Tokyo Electric	1.80	2014/2034	DES/FOB	
			Osaka Gas	1.50	2014/2034	DES	
			CPC	1.20	2014/2034	DES	
Peru	Pampa Melchorita	Peru LNG	Shell	3.89	2014/2028	FOB	Contract novated to Shell Middle East from Shell Western
Russia	Prigorodnoye	Sakhalin Energy Investment	Shell	1.60	2009/2028	DES	Initially linked to Costa Azul / Destination flexible
			Tokyo Electric	1.50	2007/2029	FOB	
			KOGAS	1.50	2008/2028	FOB	
			Tokyo Gas	1.10	2007/2031	FOB	
			Gazprom Global LNG	1	2009/2028	DES	
			Kyushu Electric	0.50	2009/2031	DES	
			Toho Gas	0.50	2009/2033	DES	
			Chubu Electric	0.50	2011/2026	DES	
			Tohoku Electric	0.42	2010/2030	FOB	
			Hiroshima Gas	0.21	2008/2028	FOB	
			Osaka Gas	0.20	2008/2031	FOB	
			Saibu Gas	0.07	2014/2027	DES	

(*) Duration above four years

Long-term and medium-term LNG contracts in force in 2014*

Export Country	Loading Point	Seller	Buyer	Nominal quantity ACQ 10^6 t/year	Duration	Type of contract	Comments
MIDDLE EAST							
Abu Dhabi	Das Island	Adgas	Tokyo Electric	4.30	1994/2019	DES	
Qatar	Ras Laffan	Qatargas I	Chubu Electric	4	1997/2021	DES	
			Tohoku Electric, Tokyo Gas, Osaka Gas, The Kansai Electric, Tokyo Electric, Toho Gas, Chugoku Electric	2	1998/2021	DES	
			Tokyo Electric	1	2012/2021	DES	
			Gas Natural sdg	0.75	2005/2024	DES	
			Gas Natural sdg	0.75	2006/2025	FOB	
		Qatargas II T1	ExxonMobil	7.80	2009/2034	DES	
		Qatargas II T2	CNOOC	2	2009/2034	DES	
			Total	1.85	2009/2034	DES	
			Total	1.50	2009/2034	DES	
			Total	1.15	2009/2034	DES	
			Total	0.70	2009/2034	DES	
			ExxonMobil	0.60	2009/2033	DES	
		Qatargas III	ConocoPhillips	7.80	2010/2035	DES	
			Centrica	3	2014/2018	DES	Extension of the previous 3 year contract ending in 2014
			CNOOC	2	2011/2035	DES	
			Chubu Electric	1	2013/2028	DES	Nominal quantity (ACQ) 2013/2017: 1 mtpa 2018/2028: 0.7 mtpa
			The Kansai Electric	0.50	2013/2027	DES	
		Qatargas IV	Shell	3.60	2011/2036	DES	Quantity and total years amended
			Petrochina	3	2011/2036	DES	
			Marubeni	1	2011/2031	DES	
		RasGas I	KOGAS	4.92	1999/2024	FOB	
		RasGas II T1	Petronet LNG	5	2004/2028	FOB	
		RasGas II T2	Edison	4.60	2009/2034	DES	
			Endesa	0.74	2005/2025	DES	
		RasGas II T3	EDF Trading	3.40	2007/2012	DES	Extended to 2027
			CPC	3.08	2008/2032	FOB	
			ENI	2.05	2007/2027	DES	Former Distrigas contract
		RasGas III T1	ExxonMobil	7.80	2009/2034	DES	
			Petronet LNG	2.50	2009/2029	FOB	
			KOGAS	2.10	2007/2026	DES	
			KOGAS	2	2012/2032	DES	
		RasGas III T2	ExxonMobil	7.80	2010/2035	DES	New LT contract
		Rasgas III	CPC	1.50	2013/2032	DES	
Oman	Qalhat	Oman LNG	KOGAS	4.06	2000/2024	FOB	
			Osaka Gas	0.66	2000/2024	FOB	
		Qalhat LNG	Union Fenosa Gas	1.65	2006/2025	DES	
			Mitsubishi Corp.	0.80	2006/2020	FOB	
			Osaka Gas	0.80	2009/2026	FOB	
			Itochu Corp.	0.77	2006/2020	FOB	
Yemen	Balhaf	Yemen LNG T1	KOGAS	2	2008/2028	FOB	
		Yemen LNG T2	GDF SUEZ	2.55	2009/2029	FOB	
		Yemen LNG T1 & 2	Total	2	2009/2029	DES	
OTHER							
BG Portfolio		BG	CNOOC	3.60 8.60 (2015 onward)	2014/2034	DES	
BG Portfolio		BG	Quintero LNG	3	2009/2030	DES	
BG Portfolio		BG	Singapore LNG	3	2013/2033	DES	
BG Portfolio		BG	KOGAS	1.30	2008/2016	DES	
BG Portfolio		BG	Chubu Electric	up to 0.40	2014/2035	DES	Total quantity of LNG during contract duration : maximum 122 cargoes
BP Portfolio		BP	Chubu Electric	0.50	2012/2028	DES	
Chubu Electric Portfolio		Chubu Electric	INPEX	*	2013/2018	DES	*Total quantity of LNG during contract duration : 17 cargoes
ENI Portfolio		Eni	Tokyo Electric	1.04	2011/2015	DES	
ENI Portfolio		Eni	Iberdrola	0.92	2002/2018	DES	
ENI Portfolio		Eni	E.ON Global Commodities	0.65	2007/2022	DES	
ENI Portfolio		Eni	Hidrocantabrico + EDP	0.36	2005/2016	DES	
ENI Portfolio		Eni	KOGAS/Chubu Electric	*	2013/2017	DES	*Total quantity of LNG during contract duration: 28 cargoes (approx. 1.68 mtpa)
Iberdrola Portfolio		Iberdrola	DONG	0.72	2011/2021	DES	
Mitsubishi		Mitsubishi	Shizuoka Gas	0.30 ~ 0.70	2010/2015	DES	
Shell Portfolio		Shell	Gas Natural Fenosa	1.16	2006/2023	DES	Related to the Shell (ex- Repsol) Atlantic LNG Train 2 & 3 contract of 2.05 mtpa
Shell Portfolio (Nigeria, Russia, Australia)		Shell	JX Nippon Oil & Energy Corporation	0.20	2015/2032	DES	Total quantity of LNG during contract duration: 46 cargoes of about 66,000 tonnes each)
Shell Portfolio		Shell	Osaka Gas	≈ 0.80	2012/2038	DES	
Shell Portfolio		Shell	KOGAS	1 ~ 3.64	2013/2035	DES	
Shell Portfolio		Shell	GDF SUEZ	0.40	2014/2034	DES	
Shell Portfolio		Shell	Chubu Electric	*	2014/2034	DES	*Maximum 12 cargoes per year
Tokyo Gas Portfolio		Tokyo Gas	Hokkaido Gas	0.30 0.40	2012/2023	DES	
Tokyo Gas Portfolio		Tokyo Gas	Saibu Gas	0.30	2014/2029	DES	
Total Portfolio		Total	KOGAS	Up to 2 mtpa	2014/2031	DES	
Total Portfolio		Total	CNOOC	1	2010/2024	DES	

(*) Duration above four years

LNG Characteristics

LNG CHARACTERISTICS

The average composition is chosen as being representative among compositions reported by the different receiving terminals.

Origin	Nitrogen N_2 %	Methane C_1 %	Ethane C_2 %	Propane C_3 %	C4+ %	TOTAL	LNG Density [1] kg/m^3	Gas Density [2] $kg/m^3(n)$	Expansion ratio $m^3(n)/m^3$ liq	Gas GCV [2] $MJ/m^3(n)$	Wobbe Index [2] $MJ/m^3(n)$
Australia - NWS	0.04	87.33	8.33	3.33	0.97	100	467.35	0.83	562.46	45.32	56.53
Australia - Darwin	0.10	87.64	9.97	1.96	0.33	100	461.05	0.81	567.73	44.39	56.01
Algeria - Skikda	0.63	91.40	7.35	0.57	0.05	100	446.65	0.78	575.95	42.30	54.62
Algeria - Bethioua	0.64	89.55	8.20	1.30	0.31	100	454.50	0.80	571.70	43.22	55.12
Algeria - Arzew	0.71	88.93	8.42	1.59	0.37	100	457.10	0.80	570.37	43.48	55.23
Brunei	0.04	90.12	5.34	3.02	1.48	100	461.63	0.82	564.48	44.68	56.18
Egypt - Idku	0.02	95.31	3.58	0.74	0.34	100	437.38	0.76	578.47	41.76	54.61
Egypt - Damietta	0.02	97.25	2.49	0.12	0.12	100	429.35	0.74	582.24	40.87	54.12
Equatorial Guinea	0.00	93.41	6.52	0.07	0.00	100	439.64	0.76	578.85	41.95	54.73
Indonesia - Arun	0.08	91.86	5.66	1.60	0.79	100	450.96	0.79	571.49	43.29	55.42
Indonesia - Badak	0.01	90.14	5.46	2.98	1.40	100	461.07	0.82	564.89	44.63	56.17
Indonesia - Tangguh	0.13	96.91	2.37	0.44	0.15	100	431.22	0.74	581.47	41.00	54.14
Libya	0.59	82.57	12.62	3.56	0.65	100	478.72	0.86	558.08	46.24	56.77
Malaysia	0.14	91.69	4.64	2.60	0.93	100	454.19	0.80	569.15	43.67	55.59
Nigeria	0.03	91.70	5.52	2.17	0.58	100	451.66	0.79	571.14	43.41	55.50
Norway	0.46	92.03	5.75	1.31	0.45	100	448.39	0.78	573.75	42.69	54.91
Oman	0.20	90.68	5.75	2.12	1.24	100	457.27	0.81	567.76	43.99	55.73
Peru	0.57	89.07	10.26	0.10	0.01	100	451.80	0.79	574.30	42.90	55.00
Qatar	0.27	90.91	6.43	1.66	0.74	100	453.46	0.79	570.68	43.43	55.40
Russia - Sakhalin	0.07	92.53	4.47	1.97	0.95	100	450.67	0.79	571.05	43.30	55.43
Trinidad	0.01	96.78	2.78	0.37	0.06	100	431.03	0.74	581.77	41.05	54.23
USA - Alaska	0.17	99.71	0.09	0.03	0.01	100	421.39	0.72	585.75	39.91	53.51
Yemen	0.02	93.17	5.93	0.77	0.12	100	442.42	0.77	576.90	42.29	54.91

[1] Calculated according to ISO 6578 [T = -160°C]. [2] Calculated according to ISO 6976 [0°C / 0°C. 1.01325 bar].

LNG tankers

The total LNG tanker fleet consisted of 421 vessels at the end of 2014.
It included 5 Floating Storage Regasification Units (FSRUs), 15 Regasification Vessels (RVs) and 24 ships of less than 50,000 cubic meters.

LNG CARRIER DEMOLITION 2014

• 3 ships were scrapped during the year :

Built	Vessel Name	Ex Name	IMO Number	Demolition Date	Capacity (m^3)	Cargo Containment System	Owner Company
1969	SCF Arctic	Methane Arctic	6910702	Oct-14	71 500	GT	Sovcomflot JSC
1969	Aris	SCF Polar	6901892	Feb-14	71 500	GT	Unknown
1977	LNG Aries		7390193	Feb-14	126 300	KM	BGT Ltd.

Source: Clarkson Research, 2015

LNG CARRIERS LAID UP END 2014

• 5 ships were laid-up at the end of 2014 :

Built	Vessel Name	Ex Name	IMO Number	Capacity (m^3)	Cargo Containment System	Owner Company	Manager Name
1977	Gandria	Hoegh Gandria	7361934	125 820	KM	Golar LNG	Golar Wilhelmsen
1984	Koto	Kotowaka Maru	8210209	125 454	KM	BW Gas	BW Fleet Mngt
1981	Tenaga Dua		7428469	130 000	GT	MISC	MISC
1981	Tenaga Tiga		7428471	130 000	GT	MISC	MISC
1983	Wilpower	Bishu Maru	8013950	125 929	KM	Awilco LNG	V. Ships (UK) Ltd

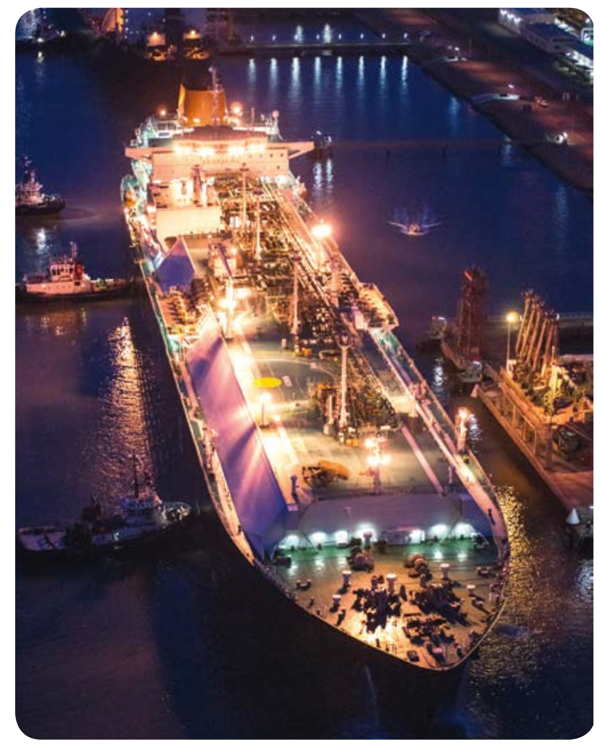
Source: Clarkson Research, 2015

New ships delivered in 2014 added 5.48 million cubic meters to the existing fleet capacity, a 10% increase.
The average capacity of new vessels delivered in 2014 amounted to 161 278 m^3, compared to an average 145 091 m^3 for the total fleet at year-end.

In all, about **4 023 loaded vessels were delivered in 2014** (compared to 3998 in 2013):

1 524 » to Japan (1 532 in 2013)
559 » to South Korea (616 in 2013)
273 » to China (260 in 2013)
219 » to Taiwan (204 in 2013)
210 » to India (195 in 2013)
660 » to Europe (661 in 2013)
241 » to Argentina, Brazil and Chile (224 in 2013)
175 » to North America (171 in 2013)
101 » to Indonesia, Malaysia, Singapore and Thailand (82 in 2013)
61 » to Israel, Kuwait and Dubai (53 in 2013)

Since the first commercial deliveries in 1964, close to **80 000** cargoes have been delivered without loss.



LNG tankers (cont'd.)

• 34 ships were delivered in 2014 including one Floating Storage Regasification Unit (FSRU) and 5 Regasification Vessels (RVs) :

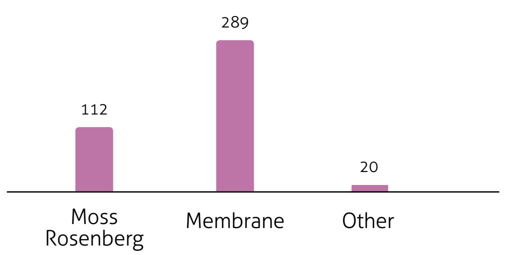
LNG CARRIER DELIVERIES 2014

Vessel Name	Type	Built Date	Capacity (m³)	Owner Company	Manager Name	Containment System	IMO Number
Adam LNG	LNG Carrier	September 2014	161 870	Oman Shipping Co.	Oman Shipping Co.	TZM	9501186
Amani	LNG Carrier	November 2014	154 800	Brunei Gas Carriers	Brunei Gas Carriers	TZM	9661869
Asia Energy	LNG Carrier	September 2014	160 000	Chevron Transport	Chevron Transport	TZM	9606950
Asia Vision	LNG Carrier	June 2014	160 000	Chevron Transport	Chevron Transport	TZM	9606948
Clean Ocean	LNG Carrier	June 2014	161 881	Dynagas LNG	Dynagas LNG	TZM	9637492
Clean Planet	LNG Carrier	August 2014	161 814	Dynagas LNG	Dynagas LNG	TZM	9637507
Cool Runner	LNG Carrier	March 2014	160 000	Thenamaris	B. Schulte (Hellas)	TZM	9636797
Corcovado LNG	LNG Carrier	April 2014	160 106	Cardiff Marine Inc.	TMS Cardiff Gas	GT	9636711
Esshu Maru	LNG Carrier	December 2014	155 300	Mitsubishi Corp	Mitsui O.S.K. Lines	KM	9666560
Experience (RV)	LNG/Regasification	April 2014	173 660	Excelerate Energy	Excelerate Energy	GT	9638525
Gaslog Saratoga	LNG Carrier	December 2014	155 000	GasLog	GasLog LNG Services	TZM	9638903
Golar Bear	LNG Carrier	September 2014	160 000	Golar LNG	Golar LNG	TZM	9626039
Golar Crystal	LNG Carrier	May 2014	160 000	Golar LNG	Golar LNG	TZM	9624926
Golar Eskimo (RV)	LNG/Regasification	December 2014	160 000	Golar LNG Partners	Golar Wilhelmsen	TZM	9624940
Golar Frost	LNG Carrier	October 2014	160000	Golar LNG	Golar LNG	TZM	9655042
Golar Glacier	LNG Carrier	October 2014	162 000	Golar LNG	Golar LNG	TZM	9654696
Golar Igloo (RV)	LNG/Regasification	February 2014	170 000	Golar LNG Partners	Golar LNG	TZM	9633991
Golar Penguin	LNG Carrier	September 2014	160 000	Golar LNG	Golar LNG	TZM	9624938
Hoegh Gallant (RV)	LNG/Regasification	November 2014	170 000	Höegh LNG	Höegh LNG	TZM	9653678
Independence (RV)	LNG/Regasification	March 2014	170 000	Höegh LNG	Höegh LNG	TZM	9629536
Kita LNG	LNG Carrier	July 2014	160 118	Cardiff Marine Inc.	TMS Cardiff Gas	GT	9636723
LNG Venus	LNG Carrier	November 2014	155 300	Osaka Gas	Osaka Gas	KM	9645736
Maran Gas Apollonia	LNG Carrier	January 2014	161 870	Maran Nakilat	Maran Nakilat	TZM	9633422
Maran Gas Delphi	LNG Carrier	February 2014	159 800	Maran Nakilat	Maran Nakilat	GT	9633173
Maran Gas Efessos	LNG Carrier	June 2014	159 800	Maran Nakilat	Maran Nakilat	GT	9627497
Maran Gas Posidonia	LNG Carrier	May 2014	161 870	Maran Nakilat	Maran Nakilat	TZM	9633434
Pacific Arcadia	LNG Carrier	October 2014	147 200	Nippon Yusen Kaisha	Nippon Yusen Kaisha	KM	9621077
Palu LNG	LNG Carrier	October 2014	160 000	Cardiff Marine Inc.	TMS Cardiff Gas	GT	9636735
PGN FSRU Lampung	FSRU	April 2014	170 000	Höegh LNG	Höegh LNG	TZM	9629524
Pskov	LNG Carrier	August 2014	170 200	Sovcomflot JSC	Unicom Mngt	GT	9630028
Seishu Maru	LNG Carrier	September 2014	155 300	Mitsubishi Corp	Nippon Yusen Kaisha	KM	9666558
Solaris	LNG Carrier	June 2014	155 000	GasLog	Gaslog LNG Services	TZM	9634098
Velikiy Novgorod	LNG Carrier	January 2014	170 567	Sovcomflot JSC	Unicom Mngt	GT	9630004
Yari LNG	LNG Carrier	November 2014	160 000	Cardiff Marine Inc.	TMS Cardiff Gas	GT	9636747

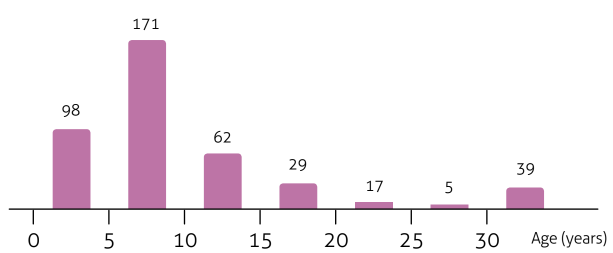
Source: Clarkson Research, 2015

At the end of 2014, the fleet could be classified as follows :

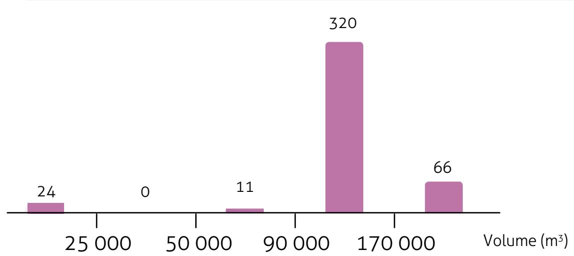
According to containment system



According to the delivery date or the age of the ships



According to cargo capacity



• In 2014, 77 new orders were placed, including 2 FSRUs.

• At the end of 2014, the orderbook comprised of 163 vessels, 144 of which were above 50,000 cubic meters. 47 of these vessels were scheduled for delivery in 2015.

• The orderbook included 3 FSRUs and 5 RVs, 5 of which were scheduled for delivery in 2015.

LNG CARRIER FLEET AT THE START OF 2015

Built	Vessel Name	Capacity (m³)	Cargo	Owner Company	Manager Name
1972	Bebatik (ex Gadinia)	75 060	TZM	Brunei Shell Tankers	STASCO (Shell)
1974	Seagas - Bunkering Vessel (ex Fjalir)	170	Other	Aga Gas AB	Aga Gas AB
1975	Belanak (ex Gouldia)	75 000	TZM	Brunei Shell Tankers	STASCO (Shell)
1975	Bilis (ex Geomitra)	77 731	GT	Brunei Shell Tankers	STASCO (Shell)
1975	Bubuk (ex Genota)	77 670	GT	Brunei Shell Tankers	STASCO (Shell)
1976	Gimi	126 277	KM	Golar LNG	Golar Wilhelmsen
1976	LNG Lagos (ex Gastor)	122 000	GT	Bonny Gas Transport	STASCO (Shell)
1976	Mostefa Ben Boulaid	125 260	TZM	Hyproc Shipping Co.	Hyproc Shipping Co.
1977	Golar Freeze - FSRU	125 000	KM	Golar LNG Partners	Golar Wilhelmsen
1977	Nusantara Regas Satu FSRU Jawa (ex Khannur)	125 000	KM	Golar LNG	Golar Wilhelmsen
1977	Gandria (ex Hoegh Gandria)	125 820	KM	Golar LNG	Golar Wilhelmsen
1977	Larbi Ben M'Hidi	129 767	GT	Hyproc Shipping Co.	Hyproc Shipping Co.
1977	LNG Aquarius	126 300	KM	Hanochem Shpg.	MOL LNG Europe
1977	LNG Port Harcourt (ex Nestor)	122 000	GT	Bonny Gas Transport	STASCO (Shell)
1978	LNG Capricorn	126 300	KM	Nova Shpg & Logist.	Nova Shpg & Logist.
1978	LNG Gemini	126 300	KM	General Dynamics	Pronav Ship Mngt.
1978	LNG Leo	126 400	KM	General Dynamics	Pronav Ship Mngt.
1978	Methania	131 235	GT	Distrigas S.A.	Exmar Shipmngt.
1979	Bachir Chihani	129 767	GT	Hyproc Shipping Co.	Hyproc Shipping Co.
1979	LNG Libra	126 400	KM	Höegh LNG	Höegh LNG Fleet M.
1979	LNG Taurus	126 300	KM	Nova Shpg & Logist.	Nova Shpg & Logist.
1979	LNG Virgo	126 400	KM	General Dynamics	Pronav Ship Mngt.
1979	Matthew (ex Suez Matthew)	126 540	TZM	Suez LNG N.A.	Höegh LNG Fleet M.
1980	LNG Abuja (ex Louisiana)	126 530	KM	Bonny Gas Transport	Anglo-Eastern UK
1980	LNG Edo (ex Lake Charles)	126 530	KM	Bonny Gas Transport	Anglo-Eastern UK
1980	Mourad Didouche	126 130	GT	Hyproc Shipping Co.	Hyproc Shipping Co.
1981	Golar Spirit - FSRU	129 000	KM	Golar LNG	Golar Wilhelmsen
1981	LNG Bonny (ex LNG 559)	135 293	GT	Bonny Gas Transport	STASCO (Shell)
1981	Ramdane Abane	126 130	GT	Hyproc Shipping Co.	Hyproc Shipping Co.
1981	Tenaga Dua	130 000	GT	MISC	MISC
1981	Tenaga Lima	130 000	GT	MISC	MISC
1981	Tenaga Tiga	130 000	GT	MISC	MISC
1983	Echigo Maru	125 568	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1983	Wilenergy (ex Banshu Maru)	125 542	KM	Awilco LNG	V. Ships (UK) Ltd
1983	Wilpower (ex Bishu Maru)	125 929	KM	Awilco LNG	V. Ships (UK) Ltd
1984	Koto (ex Kotowaka Maru)	125 454	KM	BW Gas	BW Fleet Mngt
1984	LNG Finima (ex LNG 564)	133 000	GT	Bonny Gas Transport	Nigeria LNG Ltd.
1984	Senshu Maru	125 835	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1984	Wilgas (ex Dewa Maru)	125 877	KM	Awilco LNG	V. Ships (UK) Ltd
1985	Wakaba Maru	125 877	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1988	Kayoh Maru	1 517	IHI	Daiichi Tanker Co.	Daiichi Tanker Co.
1989	LNG Maleo (Northwest Swallow)	127 708	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1989	LNG Swift (Northwest Swift)	127 590	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1989	Northwest Sanderling	127 525	KM	Aust. LNG Ship Optg.	STASCO (Shell)
1990	Ekaputra	137 012	KM	P.T. Humpuss	Humolco Trans Inc.
1990	Northwest Snipe	127 747	KM	Aust. LNG Ship Optg.	STASCO (Shell)
1991	Northwest Shearwater	127 500	KM	Aust. LNG Ship Optg.	BP Shipping

Built	Vessel Name	Capacity (m³)	Cargo	Owner Company	Manager Name
1992	Northwest Seaeagle	127 452	KM	Aust. LNG Ship Optg.	STASCO (Shell)
1993	Aman Bintulu	18 928	TZM	MISC	MISC
1993	Arctic Spirit (ex Arctic Sun)	89 880	IHI	Teekay LNG Partners	Teekay Shpg. (Gla)
1993	LNG Flora	127 705	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1993	Northwest Sandpiper	127 500	KM	Aust. LNG Ship Optg.	STASCO (Shell)
1993	Polar Spirit (ex Polar Eagle)	89 880	IHI	Teekay LNG Partners	Teekay Shpg. (Gla)
1994	Al Khaznah	135 496	KM	National Gas Shpg.	National Gas Shpg.
1994	Dwiputra	127 386	KM	Mitsui O.S.K. Lines	Humolco Trans Inc.
1994	Hyundai Utopia	125 182	KM	Hyundai LNG Shipping	Hyundai Ocean
1994	LNG Vesta	127 547	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1994	Northwest Stormpetrel	127 606	KM	Aust. LNG Ship Optg.	STASCO (Shell)
1994	Puteri Intan	130 405	GT	MISC	MISC
1994	Shahamah	135 496	KM	National Gas Shpg.	National Gas Shpg.
1994	YK Sovereign	127 125	KM	SK Shipping Co. Ltd.	SK Shipmngt.
1995	Ghasha	137 514	KM	National Gas Shpg.	National Gas Shpg.
1995	Hanjin Pyeong Taek	130 600	GT	Hanjin Shipping	Eusu ShipManagement
1995	Ish	137 540	KM	National Gas Shpg.	National Gas Shpg.
1995	Puteri Delima	130 405	GT	MISC	MISC
1995	Puteri Nilam	130 405	GT	MISC	MISC
1996	Al Khor	137 354	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1996	Al Zubarah	137 573	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1996	Hyundai Greenpia	125 000	KM	Hyundai LNG Shipping	Hyundai Ocean
1996	Mraweh	137 000	KM	National Gas Shpg.	National Gas Shpg.
1996	Mubaraz	137 000	KM	National Gas Shpg.	National Gas Shpg.
1996	Puteri Zamrud	130 405	GT	MISC	MISC
1996	Surya Aki	19 474	KM	P.T. Humpuss	Mitsui O.S.K. Lines
1997	Al Hamra	137 000	KM	National Gas Shpg.	National Gas Shpg.
1997	Al Rayyan	135 358	KM	K-Line	K-Line Ship Mngt.
1997	Al Wajbah	137 354	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1997	Aman Sendai	18 928	TZM	MISC	MISC
1997	LNG Portovenere (ex SNAM Portovenere)	65 000	GT	SNAM S.P.A.	Carbofin S.P.A.
1997	Puteri Firus	130 405	GT	MISC	MISC
1997	Umm Al Ashtan	137 000	KM	National Gas Shpg.	National Gas Shpg.
1998	Al Wakrah	135 358	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1998	Aman Hakata	18 800	TZM	MISC	MISC
1998	Broog	135 466	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1998	LNG Lerici	65 000	GT	SNAM S.P.A.	Carbofin S.P.A.
1998	Zekreet	135 420	KM	K-Line	K-Line Ship Mngt.
1999	Al Bidda	135 279	KM	Mitsui O.S.K. Lines	MOL LNG Transport
1999	Doha	137 354	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
1999	Hanjin Muscat	138 200	GT	Hanjin Shipping	Eusu ShipManagement
1999	Hyundai Technopia	135 000	KM	Hyundai LNG Shipping	Hyundai Ocean
1999	SK Summit	138 000	GT	SK Shipping Co. Ltd.	SK Shipmngt.
2000	Al Jasra	137 100	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2000	Golar Mazo	136 867	KM	Golar LNG	Golar Wilhelmsen
2000	Hanjin Ras Laffan	138 214	GT	Hanjin Shipping	Eusu ShipManagement
2000	Hanjin Sur	138 333	GT	Hanjin Shipping	Eusu ShipManagement
2000	Hyundai Aquapia	135 000	KM	Hyundai LNG Shipping	Hyundai Ocean
2000	Hyundai Cosmopia	135 000	KM	Hyundai LNG Shipping	Hyundai Ocean
2000	Hyundai Oceanpia	135 000	KM	Hyundai LNG Shipping	Hyundai Ocean
2000	K. Acacia	138 017	GT	Korea Line	KLCSM Co. Ltd.
2000	K. Freesia	135 256	GT	Korea Line	KLCSM Co. Ltd.

LNG CARRIER FLEET (cont'd.)

Built	Vessel Name	Capacity (m³)	Cargo	Owner Company	Manager Name
2000	LNG Jamal	135 333	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2000	SK Splendor	138 375	TZM	SK Shipping Co. Ltd.	SK Shipmngt.
2000	SK Stellar	138 375	TZM	SK Shipping Co. Ltd.	SK Shipmngt.
2000	SK Supreme	138 200	TZM	SK Shipping Co. Ltd.	SK Shipmngt.
2000	Surya Satsuma	23 096	TZM	Mitsui O.S.K. Lines	Humolco Trans Inc.
2001	Sohar LNG (Lakshmi)	137 248	KM	Oman Shipping Co.	Oman Shipping Co.
2002	Abadi	136 912	KM	Brunei Gas Carriers	STASCO (Shell)
2002	British Trader	138 000	TZM	BP Shipping	BP Shipping
2002	Excalibur	138 034	GT	Exmar	Exmar Shipmngt.
2002	Galea	136 967	KM	Shell Tank. (S'pore)	STASCO (Shell)
2002	Gallina	137 001	KM	Shell Tank. (S'pore)	STASCO (Shell)
2002	Hispania Spirit (ex Fernando Tapias)	140 500	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2002	LNG Rivers	137 231	KM	Bonny Gas Transport	Nigeria LNG Ltd.
2002	LNG Sokoto	137 231	KM	Bonny Gas Transport	Nigeria LNG Ltd.
2002	Puteri Delima Satu	137 100	GT	MISC	MISC
2002	Puteri Intan Satu	137 489	GT	MISC	MISC
2003	FSRU Toscana (ex Golar Frost - Livorno FSRU)	137 000	KM	OLT Offshore	ECOS
2003	British Innovator	138 287	TZM	BP Shipping	BP Shipping
2003	British Merchant	138 283	TZM	BP Shipping	BP Shipping
2003	BW GDF Suez Boston (ex BW Suez Boston)	138 059	GT	BW Gas	BW Fleet Mngt
2003	BW GDF Suez Everett (ex BW Suez Everett)	138 028	GT	BW Gas	BW Fleet Mngt
2003	Castillo de Villalba	138 000	GT	Elcano	Elcano
2003	Catalunya Spirit (ex Inigo Tapias)	138 000	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2003	Energy Frontier	147 599	KM	Tokyo LNG Tanker Co.	Mitsui O.S.K. Lines
2003	Excel	138 106	GT	Exmar	Exmar Shipmngt.
2003	Golar Arctic (ex Granatina)	140 648	GT	Golar LNG	Golar Wilhelmsen
2003	LNG Bayelsa	137 500	KM	Bonny Gas Transport	Nigeria LNG Ltd.
2003	Methane Princess	138 000	GT	Golar LNG	Golar Wilhelmsen
2003	Pacific Notus	137 006	KM	TEPCO	NYK LNG Shipmngt.
2003	Puteri Nilam Satu	137 585	GT	MISC	MISC
2003	Shinju Maru No. 1	2 513	Other	NS United Tanker	NS United Tanker
2003	SK Sunrise	138 306	TZM	I.S. Carriers S.A.	Iino Marine Service
2004	Golar Winter	138 000	GT	Golar LNG	Golar Wilhelmsen
2004	Berge Arzew	138 088	GT	BW Gas	BW Fleet Mngt
2004	Bilbao Knutsen	138 000	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2004	Cadiz Knutsen	138 826	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2004	Disha	136 026	GT	India LNG Transport	Shpg Corp of India
2004	Dukhan	137 661	KM	Mitsui O.S.K. Lines	MOL LNG Europe
2004	Fuji LNG (ex Muscat LNG)	149 172	KM	Cardiff Marine Inc.	TMS Cardiff Gas
2004	Fuwairit	138 000	TZM	Mitsui O.S.K. Lines	MOL LNG Europe
2004	Galicia Spirit	140 624	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2004	Gemmata	136 985	KM	STASCO (Shell)	STASCO (Shell)
2004	Lalla Fatma N'Soumer	147 845	KM	Algeria Nippon Gas	Hyproc Shipping Co.
2004	LNG Akwa Ibom	141 038	KM	Bonny Gas Transport	Anglo-Eastern UK
2004	LNG River Orashi	145 914	GT	BW Gas	BW Fleet Mngt
2004	Madrid Spirit	138 000	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2004	Methane Kari Elin	138 209	TZM	BG Asia Pacific Ltd.	GasLog LNG Services
2004	Milaha Ras Laffan (ex Maersk Ras Laffan)	138 270	TZM	Malt LNG	Pronav Ship Mngt.
2004	Northwest Swan	138 000	GT	Aust. LNG Ship Optg.	Chevron Shpg. Co.
2004	Pioneer Knutsen	1 100	Other	Knutsen OAS Shipping	Knutsen OAS Shipping
2004	Puteri Firus Satu	137 617	GT	MISC	MISC
2004	Puteri Zamrud Satu	137 100	GT	MISC	MISC
2004	Raahi	136 026	GT	India LNG Transport	Shpg Corp of India
2005	Al Deebel	145 130	TZM	Mitsui O.S.K. Lines	MOL LNG Europe
2005	Al Thakhira	145 130	TZM	K-Line	K Line LNG Shpg.
2005	Energy Advance	147 624	KM	Tokyo LNG Tanker Co.	Mitsui O.S.K. Lines
2005	Golar Viking (ex Gracilis)	140 208	TZM	Golar LNG	Golar Wilhelmsen
2005	LNG Adamawa	142 656	KM	Bonny Gas Transport	Anglo-Eastern UK
2005	LNG Cross River	141 000	KM	Bonny Gas Transport	Nigeria LNG Ltd.
2005	LNG Enugu	145 914	GT	BW Gas	BW Fleet Mngt
2005	LNG Oyo	145 842	GT	BW Gas	BW Fleet Mngt
2005	LNG Pioneer	138 000	GT	Mitsui O.S.K. Lines	MOL LNG Europe
2005	Lusail	145 000	TZM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2005	Maran Gas Asclepius (ex Rasgas Asclepius)	145 822	GT	Maran Nakilat	Maran Gas Maritime
2005	Nizwa LNG	147 684	KM	Oman Shipping Co.	Mitsui O.S.K. Lines
2005	North Pioneer	2 512	Other	Japan Liquid Gas	Iino Kaiun Kaisha
2005	Puteri Mutiara Satu	137 100	GT	MISC	MISC
2005	Salalah LNG	145 951	TZM	Oman Shipping Co.	Mitsui O.S.K. Lines
2005	Seri Alam	145 572	TZM	MISC	MISC
2005	Umm Bab	145 000	GT	Maran Nakilat	Maran Gas Maritime
2005	Excellence (RV)	138 120	GT	Excelerate Energy	Exmar Shipmngt.
2005	Excelsior (RV)	138 087	GT	Exmar	Exmar Shipmngt.
2006	Al Marrouna	149 539	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2006	Arctic Discoverer	142 612	KM	K-Line	K Line LNG Shpg.
2006	Arctic Lady	147 208	KM	Höegh LNG	Höegh LNG Fleet M.
2006	Arctic Princess	147 835	KM	Höegh LNG	Höegh LNG Fleet M.
2006	Arctic Voyager	142 929	KM	K-Line	K Line LNG Shpg.
2006	Energy Progress	147 558	KM	Mitsui O.S.K. Lines	MOL LNG Transport
2006	GDF Suez Global Energy (ex Gaz de France Energy)	74 130	CS1	GDF Suez	Gazocean S.A.
2006	Golar Grand (ex Grandis)	145 879	GT	Golar LNG	Golar Wilhelmsen
2006	Golar Maria (ex Granosa)	145 700	GT	Golar LNG Partners	Golar Wilhelmsen
2006	Iberica Knutsen	138 120	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2006	Ibra LNG	147 100	TZM	Oman Shipping Co.	Mitsui O.S.K. Lines
2006	Ibri LNG	147 569	KM	Oman Shipping Co.	Mitsui O.S.K. Lines
2006	LNG Benue	145 842	GT	BW Gas	BW Fleet Mngt
2006	LNG Dream	145 000	KM	Osaka Gas	NYK LNG Shipmngt.
2006	LNG Lokoja	149 600	GT	BW Gas	BW Fleet Mngt
2006	LNG River Niger	141 000	KM	Bonny Gas Transport	Nigeria LNG Ltd.
2006	Methane Jane Elizabeth	145 000	TZM	GasLog Partners	GasLog LNG Services
2006	Methane Lydon Volney	145 000	TZM	GasLog	GasLog LNG Services
2006	Methane Rita Andrea	145 000	TZM	GasLog Partners	GasLog LNG Services
2006	Milaha Qatar (ex Maersk Qatar)	145 130	TZM	Malt LNG	Pronav Ship Mngt.
2006	Pacific Eurus	136 942	KM	TEPCO	NYK LNG Shipmngt.
2006	Provalys	154 472	CS1	GDF Suez	Gazocean S.A.
2006	Seri Amanah	145 000	TZM	MISC	MISC
2006	Seri Anggun	145 731	TZM	MISC	MISC
2006	Seri Angkasa	145 000	TZM	MISC	MISC
2006	Simaisma	145 700	GT	Maran Nakilat	Maran Gas Maritime
2006	Stena Blue Sky (ex Bluesky)	145 819	GT	Stena Bulk	Northern Marine Mngt
2006	Excelerate (RV)	138 074	GT	Exmar	Exmar
2007	Al Areesh	148 786	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2007	Al Daayen	148 853	GT	Teekay LNG Partners	Teekay Shpg. (Gla)
2007	Al Gattara	216 224	TZM	Qatar Gas (Nakilat)	OSG Shipmngt. UK
2007	Al Jassasiya	145 700	GT	Maran Nakilat	Maran Gas Maritime
2007	Al Ruwais	210 100	GT	Pronav GmbH	Pronav Ship Mngt.

LNG CARRIER FLEET (cont'd.)

Built	Vessel Name	Capacity (m³)	Cargo	Owner Company	Manager Name
2007	Al Safliya	210 134	GT	Pronav GmbH	Pronav Ship Mngt.
2007	British Emerald	154 983	TZM	BP Shipping	BP Shipping
2007	Celestine River (ex Neva River)	147 608	KM	K-Line	K Line LNG Shpg.
2007	Cheikh El Mokrani	74 365	TZM	Hyproc Shipping Co.	Hyproc Shipping Co.
2007	Clean Energy	149 700	TZM	Dynagas LNG	Dynagas LNG
2007	Ejnan	145 000	TZM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2007	Gaselys	154 472	CS1	GDF Suez	Gazocean S.A.
2007	Grace Acacia	149 786	TZM	Gazocean S.A.	Gazocean S.A.
2007	Grace Barleria	149 700	TZM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2007	Grand Elena	147200	KM	Sovcomflot JSC	NYK LNG Shipmngt.
2007	LNG Borno	149 600	TZM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2007	LNG Kano	149 600	GT	BW Gas	BW Fleet Mngt
2007	LNG Ogun	149 600	TZM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2007	LNG Ondo	148 300	GT	BW Gas	BW Fleet Mngt
2007	Maran Gas Coronis	145 700	GT	Maran Nakilat	Maran Gas Maritime
2007	Methane Alison Victoria	145 127	TZM	GasLog	GasLog LNG Services
2007	Methane Heather Sally	145 127	TZM	GasLog	GasLog LNG Services
2007	Methane Nile Eagle	145 144	GT	BG Group	GasLog LNG Services
2007	Methane Shirley Elisabeth	145 127	TZM	GasLog	GasLog LNG Services
2007	Neo Energy	149 700	TZM	Tsakos Energy Nav.	Hyundai Ocean
2007	OB River (ex Clean Power)	149 700	TZM	Dynagas LNG	Dynagas LNG
2007	Seri Ayu	145 894	TZM	MISC	MISC
2007	Seri Bakti	152 300	GT	MISC	MISC
2007	Seri Begawan	152 300	GT	MISC	MISC
2007	Sestao Knutsen	138 114	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2007	Sun Arrows	19 100	KM	Maple LNG Transport	Mitsui O.S.K. Lines
2007	Tembek	216 000	TZM	Qatar Gas (Nakilat)	OSG Shipmngt. UK
2008	Al Aamriya	210 168	GT	Nakilat, JC	MOL LNG Europe
2008	Al Ghariya	210 100	GT	Pronav GmbH	Pronav Ship Mngt.
2008	Al Gharrafa	216 224	TZM	Qatar Gas (Nakilat)	OSG Shipmngt. UK
2008	Al Ghuwairiya	263 249	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2008	Al Hamla	216 000	TZM	Qatar Gas (Nakilat)	OSG Shipmngt. UK
2008	Al Huwaila	217 000	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2008	Al Kharsaah	217 000	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2008	Al Khuwair	217 000	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2008	Al Oraiq	210 100	GT	Nakilat, JC	K Line LNG Shpg.
2008	Al Sahla	216 200	TZM	Nakilat, JC	NYK LNG Shipmngt.
2008	Al Shamal	217 000	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2008	Al Thumama	216 200	TZM	Nakilat, JC	NYK LNG Shipmngt.
2008	Al Utouriya	215 000	TZM	Nakilat, JC	NYK LNG Shipmngt.
2008	Alto Acrux	147 798	KM	TEPCO	NYK LNG Shipmngt.
2008	Arwa Spirit (ex Maersk Arwa)	165 500	TZM	Malt LNG	Teekay Shpg. (Gla)
2008	British Diamond	155 046	TZM	BP Shipping	BP Shipping
2008	British Ruby	155 000	TZM	BP Shipping	BP Shipping
2008	British Sapphire	155 000	TZM	BP Shipping	BP Shipping
2008	Bu Samra	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2008	Cheikh Bouamama	75 558	TZM	Hyproc Shipping Co.	Hyproc Shipping Co.
2008	Clean Force	149 743	TZM	Dynagas LNG	Dynagas LNG
2008	Dapeng Moon	147 210	GT	CLNG	CLNG
2008	Dapeng Sun	147 236	GT	CLNG	CLNG
2008	Duhail	210 100	GT	Pronav GmbH	Pronav Ship Mngt.
2008	Energy Navigator	147 558	KM	Tokyo LNG Tanker Co.	Mitsui O.S.K. Lines
2008	Fraiha	210 100	GT	Nakilat, JC	MOL LNG Europe
2008	Grace Cosmos	149 700	TZM	Nippon Yusen Kaisha	Gazocean S.A.
2008	Grand Aniva	147 200	KM	Sovcomflot JSC	Unicom Mngt
2008	Grand Mereya	145 964	KM	Mitsui O.S.K. Lines	MOL LNG Europe
2008	Hyundai Ecopia	149 700	GT	Hyundai LNG Shipping	Hyundai Ocean
2008	K. Jasmine	145 877	GT	Korea Line	KLCSM Co. Ltd.
2008	K. Mugungwha	151 812	GT	Korea Line	KLCSM Co. Ltd.
2008	Kakurei Maru	2 536	Other	Tsurumi Sunmarine	Tsurumi Sunmarine
2008	LNG Barka	155 982	KM	Oman Shipping Co.	Nippon Yusen Kaisha
2008	LNG Ebisu	147 546	KM	Golar LNG	Mitsui O.S.K. Lines
2008	LNG Imo	148 300	GT	BW Gas	BW Fleet Mngt
2008	Marib Spirit (ex Maersk Marib)	165 500	TZM	Malt LNG	Teekay Shpg. (Gla)
2008	Methane Spirit (ex Maersk Methane)	165 500	TZM	Malt LNG	Teekay Shpg. (Gla)
2008	Mozah	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2008	Murwab	210 100	GT	Nakilat, JC	MOL LNG Europe
2008	Seri Balhaf	152 300	GT	MISC	MISC
2008	Seri Bijaksana	152 888	GT	MISC	MISC
2008	Shinju Maru No. 2	2 536	Other	NS United Tanker	NS United Tanker
2008	STX Kolt	145 700	TZM	Pan Ocean Co Ltd	STX Marine Service
2008	Tangguh Batur	145 700	GT	Sovcomflot JSC	NYK LNG Shipmngt.
2008	Tangguh Foja	155 641	TZM	K-Line	K-Line Ship Mngt.
2008	Tangguh Hiri	155 000	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2008	Tangguh Jaya	155 641	TZM	K-Line	K-Line Ship Mngt.
2008	Tangguh Towuti	145 700	GT	Sovcomflot JSC	NYK LNG Shipmngt.
2008	Trinity Arrow	154 982	TZM	K-Line	K Line LNG Shpg.
2008	Umm Al Amad	210 100	GT	Nakilat, JC	K Line LNG Shpg.
2008	Umm Slal	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2008	Explorer (RV)	151 008	GT	Exmar	Exmar
2009	Al Dafna	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Ghashamiya	217 000	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Karaana	210 100	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Kharaitiyat	216 200	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Khattiya	210 100	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Mafyar	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Mayeda	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Nuaman	210 100	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Rekayyat	216 200	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Sadd	210 100	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Samriya	261 700	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Al Sheehaniya	210 166	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Aseem	155 000	TZM	India LNG Transport	Shpg Corp of India
2009	BW GDF Suez Brussels	162 400	GT	BW Gas	BW Fleet Mngt
2009	BW GDF Suez Paris	162 400	GT	BW Gas	BW Fleet Mngt
2009	Cygnus Passage	147 200	KM	Cygnus LNG Shipping	NYK LNG Shipmngt.
2009	Dapeng Star	147 210	GT	CLNG	CLNG
2009	Energy Confidence	153 000	KM	Tokyo LNG Tanker Co.	Nippon Yusen Kaisha
2009	Lijmiliya	261 700	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	LNG Jupiter	153 659	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2009	Magellan Spirit (ex Maersk Magellan)	165 500	TZM	Malt LNG	Malt LNG
2009	Mekaines	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Mesaimeer	216 200	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Min Lu	147 210	GT	CLNG	CLNG
2009	Min Rong	147 000	GT	CLNG	CLNG
2009	Onaiza	210 100	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Pacific Enlighten	147 200	KM	TEPCO	NYK LNG Shipmngt.
2009	Seri Balqis	157 611	GT	MISC	MISC
2009	Shagra	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2009	Taitar No. 1	147 362	KM	Nimic Ship Mngt.	Nimic Ship Mngt.
2009	Taitar No. 2	147 500	KM	Nimic Ship Mngt.	Nimic Ship Mngt.
2009	Tangguh Palung	155 642	TZM	K-Line	K-Line Ship Mngt.
2009	Tangguh Sago	154 971	TZM	Teekay LNG Partners	Teekay Shpg. (Gla)
2009	Trinity Glory	154 999	TZM	K-Line	K Line LNG Shpg.
2009	Woodside Donaldson	165 936	TZM	Malt LNG	Teekay Shpg. (Gla)

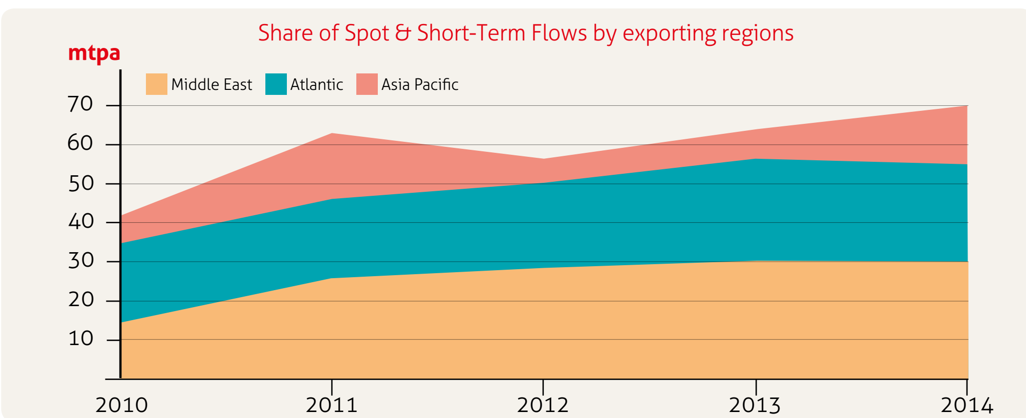
LNG CARRIER FLEET (cont'd.)

Built	Vessel Name	Capacity (m³)	Cargo	Owner Company	Manager Name
2009	Coral Methane	7 500	Other	Anthony Veder	Anthony Veder
2009	Express (RV)	150 900	GT	Exmar	Exmar
2009	Exquisite (RV)	151 000	GT	Excelerate Energy	Exmar Shipmngt.
2009	GDF Suez Neptune (RV)	145 130	TZM	Höegh LNG	Höegh LNG Fleet M.
2010	Aamira	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2010	Al Bahiyav	210 185	GT	Qatar Gas (Nakilat)	STASCO (Shell)
2010	Barcelona Knutsen	173 400	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2010	Castillo de Santisteban	173 673	GT	Elcano	Elcano
2010	GasLog Chelsea (ex STX Frontier)	153 000	TZM	GasLog	GasLog LNG Services
2010	GasLog Savannah	155 000	TZM	GasLog	GasLog LNG Services
2010	GasLog Singapore	155 000	TZM	GasLog	GasLog LNG Services
2010	GDF Suez Point Fortin	154 914	TZM	Trinity LNG Carrier	MOL LNG Europe
2010	Gigira Laitebo (ex Abdelkader)	155 000	TZM	Mitsui O.S.K. Lines	MOL LNG Europe
2010	Meridian Spirit (ex Maersk Meridian)	165 772	TZM	Malt LNG	Malt LNG
2010	Methane Becki Anne	170 678	GT	BG Group	GasLog LNG Services
2010	Methane Julia Louise	170 000	TZM	BG Group	GasLog LNG Services
2010	Methane Mickie Harper	170 000	GT	BG Group	GasLog LNG Services
2010	Methane Patricia Camila	170 000	TZM	BG Group	GasLog LNG Services
2010	Rasheeda	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2010	Ribera Del Duero Knutsen	173 400	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2010	Sevilla Knutsen	173 400	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2010	Spirit of Hela (ex Ben Badis)	173 010	TZM	Mitsui O.S.K. Lines	MOL LNG Europe
2010	Taitar No. 3	147 366	KM	Nimic Ship Mngt.	Nimic Ship Mngt.
2010	Taitar No. 4	147 546	KM	Nimic Ship Mngt.	Nimic Ship Mngt.
2010	Valencia Knutsen	173 400	GT	Knutsen OAS Shipping	Knutsen OAS Shipping
2010	Zarga	267 335	TZM	Qatar Gas (Nakilat)	STASCO (Shell)
2010	Norgas Creation	10 030	Other	Norgas Carriers	Norgas Carriers
2010	Norgas Innovation	10 030	Other	Norgas Carriers	Norgas Carriers
2010	Exemplar (RV)	151 000	GT	Excelerate Energy	Exmar Shipmngt.
2010	Expedient (RV)	151 000	GT	Excelerate Energy	Excelerate Energy
2010	GDF Suez Cape Ann (RV)	145 130	TZM	Höegh LNG	Höegh LNG Fleet M.
2011	Akebono Maru	3 556	Other	NS United Tanker	NS United Tanker
2011	Amali	148 000	GT	Brunei Shell Tankers	STASCO (Shell)
2011	Arkat	147 228	GT	Brunei Gas Carriers	STASCO (Shell)
2011	Energy Horizon	177 441	KM	Tokyo LNG Tanker Co.	NYK LNG Shipmngt.
2011	Lobito	161 337	TZM	MiNT LNG	Teekay Shpg. (Gla)
2011	Malanje	160 400	TZM	MiNT LNG	Mitsui & Co
2011	Sonangol Benguela	160 500	GT	Sonangol	Chevron Shpg. Co.
2011	Sonangol Etosha	160 786	GT	Sonangol	Chevron Shpg. Co.
2011	Sonangol Sambizanga	160 785	GT	Sonangol	Chevron Shpg. Co.
2011	Soyo	161 337	TZM	MiNT LNG	Teekay Shpg. (Gla)
2011	Stena Clear Sky	173 593	GT	Stena Bulk	Northern Marine Mngt
2011	Stena Crystal Sky	173 611	GT	Stena Bulk	Northern Marine Mngt
2011	Bahrain Vision	12 022	Other	Teekay LNG Partners	Norgas Carriers
2011	Norgas Conception	10 030	Other	Norgas Carriers	Norgas Carriers
2011	Norgas Invention	10 030	Other	Norgas Carriers	Norgas Carriers
2011	Norgas Unikum	12 000	Other	Teekay LNG Partners	Norgas Carriers
2012	Coral Energy	15 600	Other	Anthony Veder	Anthony Veder
2012	Cubal	160 534	TZM	MiNT LNG	NYK LNG Shipmngt.
2012	Shen Hai	147 210	GT	CLNG	CLNG
2013	Arctic Aurora	154 899	TZM	Dynagas LNG	Dynagas LNG
2013	Cool Voyager	160 372	TZM	Thenamaris	B. Schulte (Hellas)
2013	GasLog Santiago	155 000	TZM	GasLog	GasLog LNG Services
2013	GasLog Seattle	155 000	TZM	GasLog	GasLog LNG Services
2013	GasLog Shanghai	155 000	TZM	GasLog	GasLog LNG Services
2013	GasLog Skagen	155 000	TZM	GasLog	GasLog LNG Services
2013	GasLog Sydney	155 000	TZM	GasLog	GasLog LNG Services
2013	Golar Celsius	160 000	TZM	Golar LNG	Golar LNG
2013	Golar Seal	160 000	TZM	Golar LNG	Golar LNG
2013	Grace Dahlia	177 630	KM	Nippon Yusen Kaisha	NYK LNG Shipmngt.
2013	Kakuyu Maru	2 538	Other	Tsurumi Sunmarine	Tsurumi Sunmarine
2013	Lena River	155 165	TZM	Dynagas LNG	Dynagas LNG
2013	Wilforce	156 007	GT	Teekay LNG Partners	Awilco LNG Technical
2013	Wilpride	156 007	GT	Teekay LNG Partners	Awilco LNG Technical
2013	Woodside Goode	159 662	GT	Maran Gas Maritime	Maran Gas Maritime
2013	Woodside Rogers	160 668	GT	Maran Gas Maritime	Maran Gas Maritime
2013	Yenisei River	155 000	TZM	Dynagas LNG	Dynagas LNG
2013	Coral Anthelia	6 500	Other	Anthony Veder	Anthony Veder
2014	PGN FSRU Lampung (ex Höegh LNG Newbuild 2 Medan PGN FSRU)	170 000	TZM	Höegh LNG	Höegh LNG
2014	Adam LNG	161 870	TZM	Oman Shipping Co.	Oman Shipping Co.
2014	Amani	154 800	TZM	Brunei Gas Carriers	Brunei Gas Carriers
2014	Asia Energy	160 000	TZM	Chevron Transport	Chevron Transport
2014	Asia Vision	160 000	TZM	Chevron Transport	Chevron Transport
2014	Clean Ocean	161 881	TZM	Dynagas LNG	Dynagas LNG
2014	Clean Planet	161 814	TZM	Dynagas LNG	Dynagas LNG
2014	Cool Runner	160 000	TZM	Thenamaris	B. Schulte (Hellas)
2014	Corcovado LNG	160 106	GT	Cardiff Marine Inc.	TMS Cardiff Gas
2014	Esshu Maru	155 300	KM	Mitsubishi Corp	Mitsui O.S.K. Lines
2014	Gaslog Saratoga	155 000	TZM	GasLog	GasLog LNG Services
2014	Golar Bear	160 000	TZM	Golar LNG	Golar LNG
2014	Golar Crystal	160 000	TZM	Golar LNG	Golar LNG
2014	Golar Frost	160 000	TZM	Golar LNG	Golar LNG
2014	Golar Glacier	162 000	TZM	Golar LNG	Golar LNG
2014	Golar Penguin	160 000	TZM	Golar LNG	Golar LNG
2014	Kita LNG	160 118	GT	Cardiff Marine Inc.	TMS Cardiff Gas
2014	LNG Venus	155 300	KM	Osaka Gas	Osaka Gas
2014	Maran Gas Apollonia	161 870	TZM	Maran Nakilat	Maran Nakilat
2014	Maran Gas Delphi	159 800	GT	Maran Nakilat	Maran Nakilat
2014	Maran Gas Efessos	159 800	GT	Maran Nakilat	Maran Nakilat
2014	Maran Gas Posidonia	161 870	TZM	Maran Nakilat	Maran Nakilat
2014	Pacific Arcadia	147 200	KM	Nippon Yusen Kaisha	Nippon Yusen Kaisha
2014	Palu LNG	160 000	GT	Cardiff Marine Inc.	TMS Cardiff Gas
2014	Pskov	170 200	GT	Sovcomflot JSC	Unicom Mngt
2014	Seishu Maru	155 300	KM	Mitsubishi Corp	Nippon Yusen Kaisha
2014	Solaris	155 000	TZM	GasLog	GasLog LNG Services
2014	Velikiy Novgorod	170 567	GT	Sovcomflot JSC	Unicom Mngt
2014	Yari LNG	160 000	GT	Cardiff Marine Inc.	TMS Cardiff Gas
2014	Experience (RV)	173 660	GT	Excelerate Energy	Excelerate Energy
2014	Golar Eskimo (RV)	160 000	TZM	Golar LNG Partners	Golar Wilhelmsen
2014	Golar Igloo (RV)	170 000	TZM	Golar LNG Partners	Golar LNG
2014	Hoegh Gallant (RV)	170 000	TZM	Höegh LNG	Höegh LNG
2014	Independence (RV)	170 000	TZM	Höegh LNG	Höegh LNG

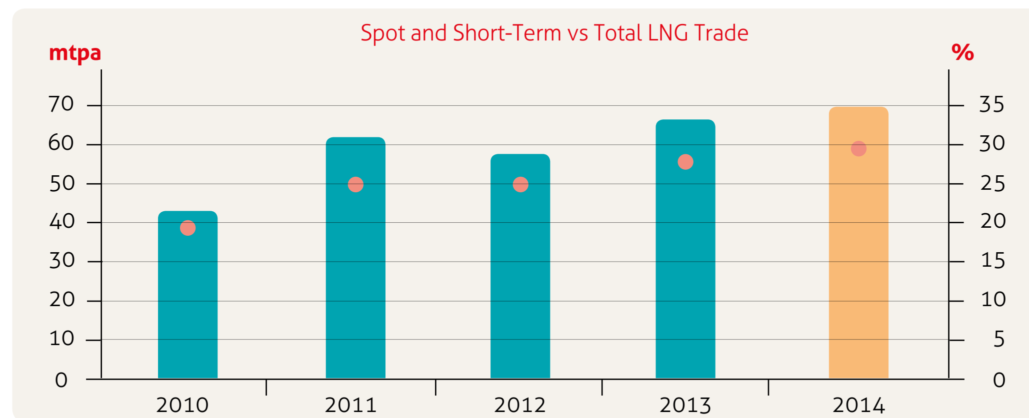
Source: Clarkson Research, 2015

Spot and Short-Term Volumes (10^3 T) received in 2014 by the importing countries from the exporting countries

	Qatar	Nigeria	Trinidad & Tobago	Indonesia	Algeria	Yemen	Papua New Guinea	Russia	Australia	Norway	Brunei	Oman	Equ. Guin.	Malaysia	Abu Dhabi	Peru	Angola	Egypt	USA	Re-exports received	Re-exports loaded	Net Imports (after re-exports)
Japan	7 337	4 452	121	2 030	743	663	2 011	1 668	1 488	354	647	1 108	714	368	729	75	64	67	253	916	-	25 811
Korea	2 888	1 614	63	968	367	516	-	512	283	72	-	95	72	132	127	-	68	66	-	1 208	-198	8 854
India	5 063	519	53	-	126	403	-	-	-	-	67	10	59	-	78	-	-	-	-	321	-	6 699
China	1 117	189	60	220	310	233	133	128	315	122	-	64	132	236	-	-	131	117	-	420	-	3 929
Taiwan	314	117	59	247	59	190	489	64	132	-	632	124	70	58	-	-	-	-	-	65	-	2 619
Malaysia	67	256	-	-	380	309	-	-	65	60	263	-	-	129	-	-	-	61	-	123	-	1 714
Indonesia	-	-	-	392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 399
Thailand	945	132	62	-	-	66	-	65	-	-	-	67	-	63	-	-	-	-	-	-	-	392
Singapore	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-	205
Asia	17 732	7 279	419	3 924	1 986	2 382	2 633	2 438	2 283	609	1 608	1 468	1 047	986	934	75	264	312	253	3 191	-198	51 622
Brazil	449	1 355	1 277	-	61	-	-	-	-	744	-	-	309	-	-	-	70	-	-	1 132	-70	5 327
Argentina	695	637	2 138	-	-	-	-	-	-	155	-	-	-	-	-	-	-	-	-	795	-	4 420
Puerto Rico	-	168	960	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	61	-	1 250
Mexico	-	56	119	-	-	-	-	-	-	-	-	-	-	-	-	334	-	-	-	120	-	629
Chile	57	-	378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436
Canada	-	-	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229
Domin Rep	59	-	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192
U.S.A.	-	-	179	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-56	184
Americas	1 260	2 217	5 414	-	61	-	-	-	-	959	-	-	309	-	-	334	70	-	-	2 169	-126	12 665
Spain	473	358	580	-	1378	-	-	-	-	311	-	121	-	-	-	193	-	-	-	143	-3 839	-282
U.K.	2 776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 776
Turkey	820	52	60	-	-	-	-	-	-	189	-	-	-	-	-	-	-	-	-	247	-	1 368
Portugal	541	-	170	-	110	-	-	-	-	61	-	-	-	-	-	-	-	-	-	58	-246	695
Netherlands	-	-	-	-	-	-	-	-	-	151	-	-	-	-	-	-	-	-	-	-	-351	-200
Italy	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	95
Lithuania	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	45
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	42
France	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-	-	-	-	-	-	-463	-402
Belgium	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1 129	-1 125
Europe	4 610	410	810	-	1 530	-	-	-	-	757	-	121	61	-	-	193	-	-	-	547	-6 028	3 011
Kuwait	920	246	-	-	-	189	-	-	-	-	-	-	-	72	-	-	-	-	-	336	-	1 763
Dubai	-	121	-	-	-	67	-	-	67	-	-	-	-	67	-	-	-	-	-	109	-	432
Israel	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Middle East	920	367	84	-	-	255	-	-	67	-	-	-	-	139	-	-	-	-	-	445	-	2 278
	24 522	10 272	6 727	3 924	3 577	2 637	2 633	2 438	2 350	2 325	1 608	1 589	1 417	1 125	934	602	333	312	253	6 352	-6 352	69 577



*Note: Short-term trade denotes trades under contracts of a duration of 4 years or less.



*Note: Short-term trade denotes trades under contracts of a duration of 4 years or less.

Quantities (in 10^6 T) received in 2014 by the importing countries from the exporting countries

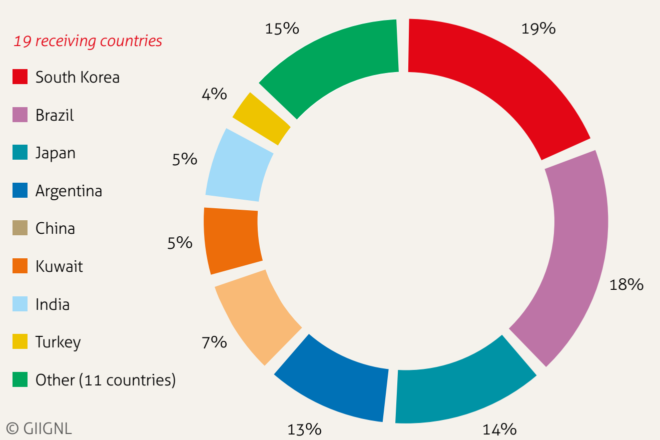
	Qatar	Malaysia	Australia	Nigeria	Indonesia	Trinidad & Tobago	Algeria	Russia	Oman	Yemen	Brunei	Abu Dhabi	Peru	Norway	Equ. Guin.	Papua New Guinea	Angola	Egypt	USA	Re-exports received	Re-exports loaded	Net Imports (after re-exports)
Japan	16.25	15.14	18.53	4.84	5.77	0.12	0.74	8.41	3.45	0.97	4.38	5.87	0.07	0.29	0.91	2.14	0.06	0.07	0.25	0.92	-	89.20
South Korea	13.19	3.80	0.85	3.33	5.15	0.13	0.37	1.91	3.77	3.00	0.72	0.13	-	0.07	0.07	-	0.07	0.07	-	1.21	- 0.20	37.62
China	6.09	2.62	3.97	0.44	2.47	0.15	0.31	0.13	0.13	0.91	0.06	-	-	0.12	0.64	0.28	0.13	0.12	-	0.42	-	18.98
India	12.14	-	-	1.29	-	0.05	0.13	-	0.01	0.40	0.07	0.08	-	-	0.06	-	-	-	-	0.32	-	14.54
Taiwan	5.99	2.87	0.13	0.12	2.12	0.06	0.06	0.06	0.12	0.19	0.63	-	-	-	0.07	0.97	-	-	-	0.06	-	13.45
Singapore	-	-	-	-	0.07	0.28	-	-	-	-	-	-	-	-	1.20	-	-	-	-	0.14	-	1.68
Malaysia	0.07	0.13	0.06	0.26	-	-	0.38	-	-	0.31	0.26	-	-	-	-	-	-	0.06	-	0.12	-	1.65
Indonesia	-	-	-	-	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56
Thailand	0.95	0.06	-	0.13	-	0.06	-	0.07	0.07	0.07	-	-	-	-	-	-	-	-	-	-	-	1.40
Asia	54.66	24.63	23.54	10.40	17.13	0.85	1.99	10.58	7.55	5.85	6.12	6.08	0.07	0.49	2.95	3.38	0.26	0.31	0.25	3.19	- 0.20	180.10
U.K.	7.89	-	-	0.06	-	0.30	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.40
Spain	2.30	-	-	2.08	-	1.49	3.76	-	0.12	-	-	-	0.92	0.93	-	-	-	-	-	0.14	-3.84	7.90
Turkey	0.82	-	-	1.09	-	0.06	3.05	-	-	-	-	-	-	0.19	-	-	-	-	-	0.25	-	5.45
France	0.75	-	-	0.82	-	0.06	3.23	-	-	-	-	-	0.06	0.06	0.06	-	-	-	-	-	-0.46	4.58
Italy	3.12	-	-	-	-	0.06	0.04	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-	3.27
Belgium	2.09	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-1.13	0.97
Portugal	0.54	-	-	0.27	-	0.17	0.11	-	-	-	-	-	-	0.06	-	-	-	-	-	0.06	-0.25	0.97
Netherlands	0.09	-	-	-	-	0.16	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-	-0.35	0.42
Greece	-	-	-	-	-	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	0.04	-	0.38
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-	0.11
Europe	17.61	-	-	4.32	-	2.29	10.68	-	0.12	-	-	-	0.98	1.86	0.06	-	-	-	-	0.55	-6.03	32.44
Mexico	1.01	-	-	1.77	0.25	0.33	-	-	-	-	-	-	2.98	0.12	-	-	-	-	-	0.12	-	6.58
Brazil	0.45	-	-	1.36	-	1.28	0.06	-	-	-	-	-	-	0.75	0.31	-	0.07	-	-	1.13	-0.07	5.33
Argentina	0.69	-	-	0.64	-	2.14	-	-	-	-	-	-	-	0.15	-	-	-	-	-	0.80	-	4.42
Chile	0.06	-	-	-	-	2.45	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	2.57
Puerto Rico	-	-	-	0.17	-	0.96	-	-	-	-	-	-	-	0.06	-	-	-	-	-	0.06	-	1.25
U.S.A.	-	-	-	-	-	0.87	-	-	-	0.17	-	-	-	0.12	-	-	-	-	-	0.06	-0.06	1.16
Domin Rep	0.06	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83
Canada	-	-	-	-	-	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.40
Americas	2.27	-	-	3.93	0.25	9.20	0.06	-	-	0.17	-	-	2.98	1.20	0.37	-	0.07	-	-	2.17	-0.13	22.53
Kuwait	0.92	0.14	-	0.36	-	0.68	-	-	0.06	0.19	-	-	-	-	-	-	-	-	-	0.34	-	2.68
Dubai	0.91	0.07	0.07	0.12	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-	0.11	-	1.34
Israel	-	-	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
Middle East	1.83	0.21	0.07	0.48	-	0.76	-	-	0.06	0.26	-	-	-	-	-	-	-	-	-	0.45	-	4.10
	76.37	24.83	23.60	19.14	17.38	13.09	12.72	10.58	7.73	6.27	6.12	6.08	4.03	3.55	3.38	3.38	0.33	0.31	0.25	6.35	-6.35	239.18

International Re-exports

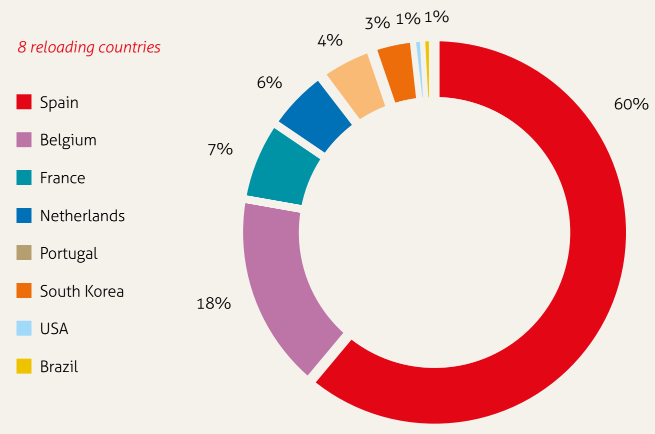
Export country	Import country	Re-exported volumes (Mt)	Total (Mt)
Belgium	ARGENTINA	0.11	1.13
	BRAZIL	0.09	
	DUBAI	0.32	
	ITALY	0.23	
	JAPAN	0.05	
	KOREA (SOUTH)	0.01	
	PORTUGAL	0.12	
	SINGAPORE	0.14	
	SPAIN	0.06	
France	MEXICO	0.06	0.46
	INDIA	0.07	
	MALAYSIA	0.06	
	JAPAN	0.06	
	KOREA (SOUTH)	0.11	
	BRAZIL	0.11	
Netherlands*	ARGENTINA	0.08	0.35
	BRAZIL	0.05	
	ITALY	0.06	
	JAPAN	0.05	
	KUWAIT	0.05	
	SPAIN	0.06	
Portugal	ARGENTINA	0.06	0.25
	BRAZIL	0.18	
Spain	ARGENTINA	0.47	3.84
	BRAZIL	0.50	
	CHINA	0.35	
	DUBAI	0.06	
	GREECE	0.04	
	INDIA	0.19	
	JAPAN	0.62	
	KOREA (SOUTH)	0.78	
	KUWAIT	0.27	
	MALAYSIA	0.06	
	MEXICO	0.06	
	PUERTO RICO	0.06	
	TAIWAN	0.06	
	TURKEY	0.25	
	USA	0.06	
Europe		6.03	6.03
Brazil	ARGENTINA	0.07	0.13
USA	BRAZIL	0.06	
Americas		0.13	0.13
KOREA (SOUTH)	CHINA	0.07	0.20
	INDIA	0.06	
	JAPAN	0.07	
Asia		0.20	0.20
World		6.35	6.35

*Also re-exported 13 small-scale cargoes to Sweden for a total volume of 0.05 Mt

Re-exports received by receiving country in 2014 (6.4 Mt)



Re-exports loaded by reloading country in 2014 (6.4 Mt)



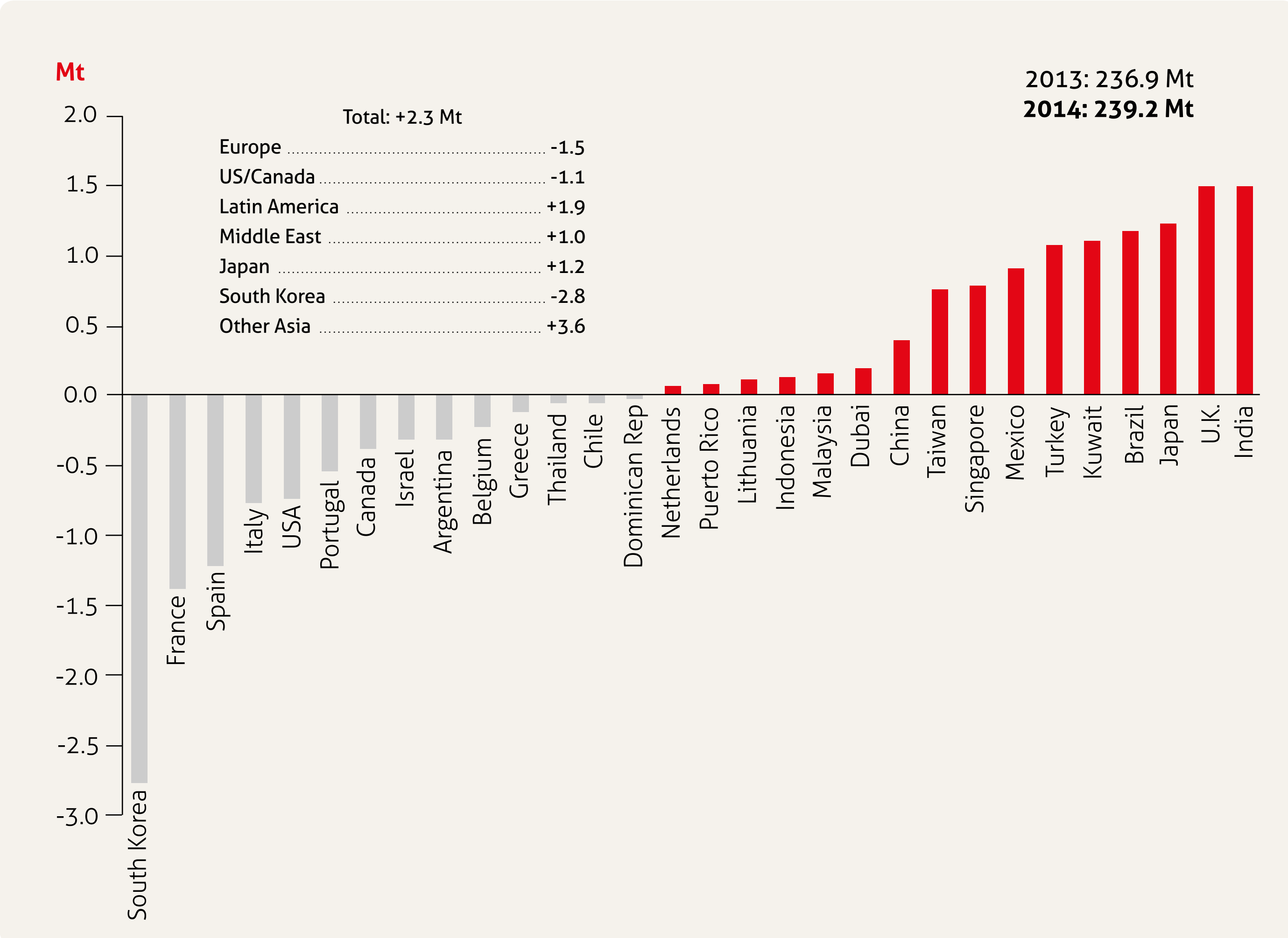
LNG imports 2014 (net of re-exports)

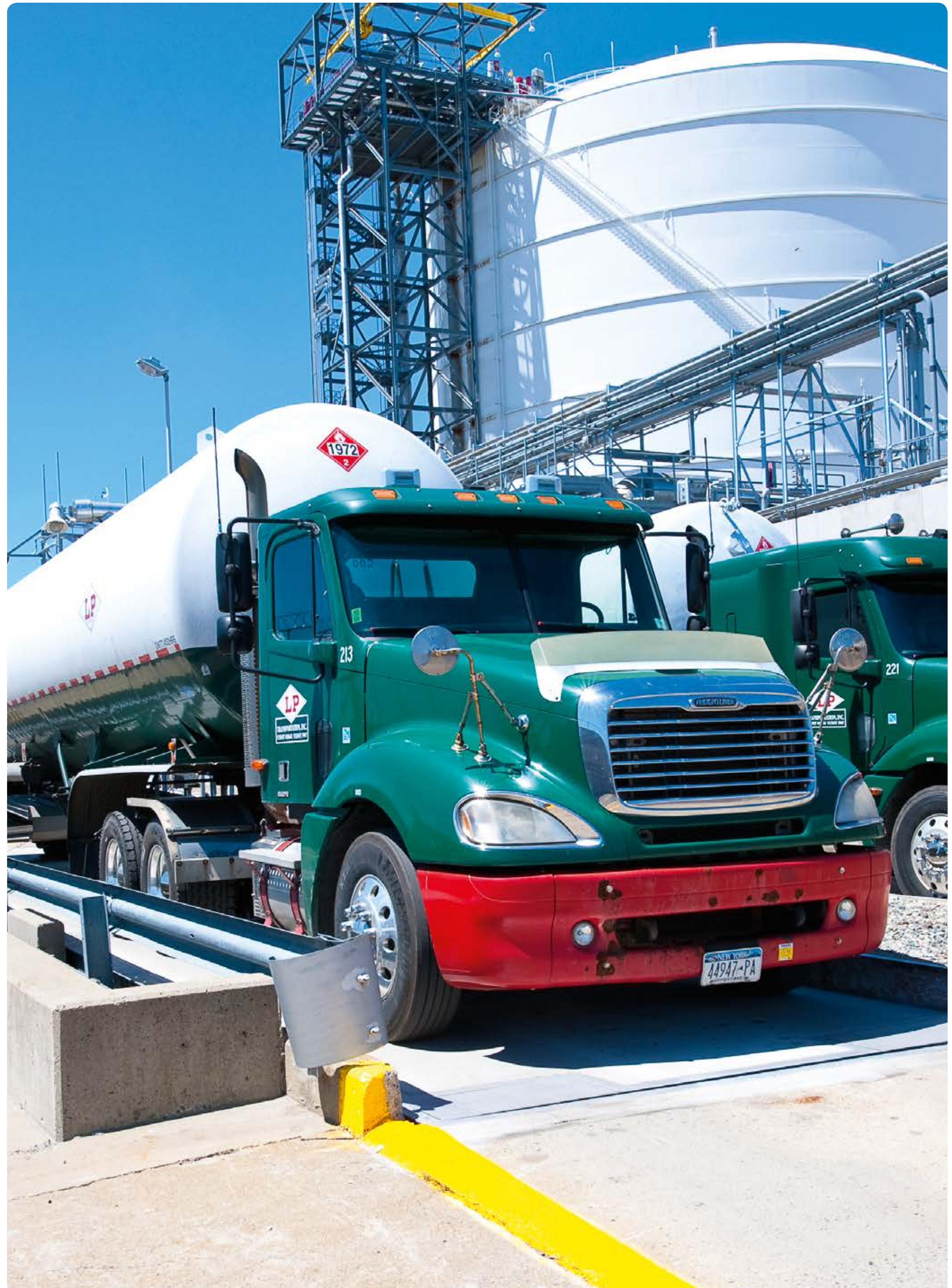
	10^6 m^3 liquid	10^6 t	10^9 m^3 (n) gaseous	Share (%)	Var. 2014/2013(%)
Belgium	2.13	0.97	1.21	0.4%	-18.9%
France	10.13	4.58	5.80	1.9%	-22.9%
Greece	0.84	0.38	0.48	0.2%	-16.8%
Italy	7.23	3.27	4.13	1.4%	-19.1%
Lithuania	0.24	0.11	0.14	0.0%	N/A
Netherlands	0.95	0.42	0.55	0.2%	15.7%
Portugal	2.15	0.97	1.23	0.4%	-35.4%
Spain	17.65	7.90	10.13	3.3%	-13.5%
Turkey	12.05	5.45	6.90	2.3%	24.0%
U.K.	18.55	8.40	10.60	3.5%	21.5%
Europe	71.93	32.44	41.16	13.6%	-4.4%
Argentina	10.00	4.42	5.77	1.8%	-6.4%
Brazil	11.96	5.33	6.87	2.2%	28.5%
Chile	5.95	2.57	3.46	1.1%	-1.7%
Dominican Rep	1.91	0.83	1.11	0.3%	-1.0%
Mexico	14.61	6.58	8.37	2.8%	16.0%
Puerto Rico	2.87	1.25	1.66	0.5%	7.4%
Canada	0.93	0.40	0.54	0.2%	-47.1%
USA	2.67	1.16	1.55	0.5%	-38.9%
Americas	50.90	22.53	29.34	9.4%	3.3%
China	41.77	18.98	23.83	7.9%	2.0%
India	32.11	14.54	18.34	6.1%	11.4%
Indonesia	3.48	1.56	1.99	0.7%	9.0%
Japan	195.18	89.20	111.07	37.3%	1.4%
South Korea	83.09	37.62	47.44	15.7%	-6.8%
Malaysia	3.66	1.65	2.09	0.7%	9.9%
Singapore	3.83	1.68	2.21	0.7%	84.8%
Taiwan	29.63	13.45	16.91	5.6%	5.8%
Thailand	3.10	1.40	1.77	0.6%	-3.2%
Asia	395.84	180.10	225.65	75.3%	1.2%
Dubai	2.95	1.34	1.69	0.6%	16.0%
Israel	0.19	0.08	0.11	0.0%	-79.2%
Kuwait	6.00	2.68	3.44	1.1%	69.1%
Middle East	9.15	4.10	5.24	1.7%	30.6%
Total	527.81	239.18	301.39	100%	1.0%

Source of imports 2014

	10^6 m^3 liquid	10^6 t	10^9 m^3 (n) gaseous	Share (%)	Var. 2014/2013(%)
Algeria	28.10	12.72	16.09	5.3%	17.7%
Angola	0.74	0.33	0.42	0.1%	1.3%
Egypt	0.72	0.31	0.42	0.1%	-88.3%
Equatorial Guinea	7.69	3.38	4.45	1.4%	-10.4%
Nigeria	42.37	19.14	24.19	8.0%	16.2%
Norway	7.92	3.55	4.54	1.5%	16.3%
Trinidad & Tobago	30.38	13.09	17.67	5.5%	-4.2%
Atlantic Basin	117.91	52.53	67.79	22.0%	3.5%
Abu Dhabi	13.01	6.08	7.37	2.5%	19.6%
Oman	16.91	7.73	9.60	3.2%	-7.5%
Qatar	168.45	76.37	96.13	31.9%	-2.1%
Yemen	14.18	6.27	8.18	2.6%	-8.1%
Middle East	212.55	96.45	121.28	40.3%	-1.9%
Australia	50.87	23.60	28.75	9.9%	5.3%
Brunei	13.26	6.12	7.48	2.6%	-12.6%
USA (Alaska)	0.60	0.25	0.35	0.1%	N/A
Indonesia	38.83	17.38	22.24	7.3%	-5.3%
Malaysia	53.87	24.83	30.66	10.4%	-1.2%
Papua New Guinea	7.50	3.38	4.29	1.4%	N/A
Peru	8.94	4.03	5.13	1.7%	-5.2%
Russia	23.49	10.58	13.41	4.4%	-1.0%
Pacific Basin	197.36	90.20	112.32	37.7%	2.7%
Total	527.81	239.18	301.39	100%	1.0%

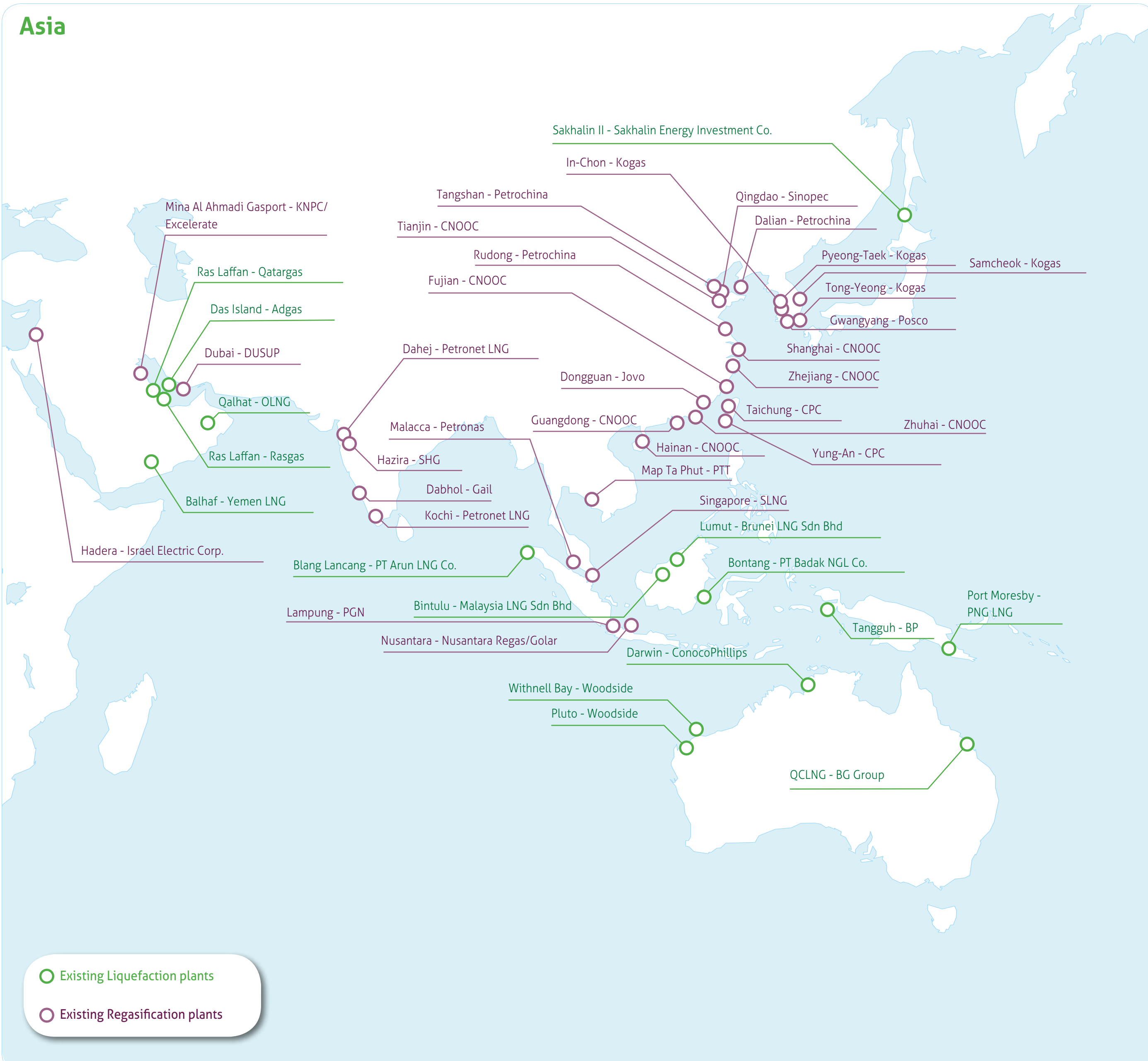
LNG Imports: 2014 vs 2013





Liquefaction plants

In 2014, LNG supply capacity increased marginally.
Total nameplate capacity reached 298 mtpa at year-end. However, force majeure in Angola and Egypt, feedgas limitation in Algeria and the late (December) start-up of QCLNG caused output to be significantly below this capacity.
Papua New Guinea became the 20th LNG exporting country. First exports from the 6.9 mtpa plant started in May (Spirit of Hela, bound for Japan). 2015 should see several more new liquefaction plants coming online, in particular from Australia.



Algeria

• Following the start-up of the new 4.7 mtpa LNG train at Skikda in 2014, Algerian LNG production largely increased compared to 2013. Nevertheless, due to the limitation of feedgas, capacities are still used at a low rate (around 50%).

Angola

• Having started in June 2013, the plant shut down in April 2014 for an extensive repair. Restart is not planned before end of 2015. Only four cargoes were delivered in 2014 (5 in 2013).

Australia

• From the 61.8 mtpa capacity under construction in Australia, only one project - Queensland Curtis (QCLNG) - started operations in late 2014. Other projects are progressing well, but with some delays. Significant production - 25 to 30 mtpa - is expected to come on stream in 2015.

At the end of December 2014, BG announced the first LNG export from its **Queensland Curtis (QCLNG)** plant. The 2nd train should come in operation in the second half of 2015, and full production capacity of 8.5 mtpa should be reached by 2016.

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Liquefaction plants (cont'd.)

Australia Pacific LNG announced the delivery of first gas from its coal seam gas fields in the Surat Basin to its LNG facility. LNG production (a 9 mtpa train) is expected to start up by mid-2015.

The **GLNG Gladstone** project (a joint venture of Santos, Petronas, Total and KOGAS) is close to completion and the first train's production (3.9 mtpa) is planned for mid-2015.

Led by Chevron, the 15.6 mtpa **Gorgon project** was 90% completed at the beginning of 2015. Production could start around Q4 2015.

In **Wheatstone**, Chevron's other project of 8.9 mtpa, start-up was delayed to 2017.

Concerning the **Ichthys** project (Inpex, Total and other Japanese partners), first drilling operations started in early 2015. First train (4.2 mtpa) should not come online before 2017.

Shell's offshore **Prelude** 3.6 mtpa FLNG is still expected for 2017.

Cameroon

• In Cameroon, on-shore, near-shore and off-shore geophysical and geotechnical (G&G) surveys in view to develop the **Cameroon LNG** project were successfully completed, in May and June 2014.

Canada

• In December 2014, Petronas delayed FID on its 12 mtpa **Pacific Northwest LNG** project (Canada).

• BG Group delayed its **Prince Rupert** project to post-2020.

• In Kitimat, Shell Canada Energy (Shell), PetroChina Corporation, KOGAS and Mitsubishi Corporation have announced on 30 April 2014 the signing of a joint venture agreement to develop a proposed LNG export project in Kitimat - **LNG Canada**. KOGAS and Mistubishi each sold 5% of their stake to Shell, who now owns 50% of the project.

• Repsol announced in February that the company was seeking partners for a $4 billion Canadian LNG export facility. The plant - located at the existing Canaport terminal on the East coast of Canada - could have an annual capacity of 5 mtpa.

Colombia

• In Colombia, construction of the 0.5 mtpa **Carribean FLNG** was underway in Chinese shipyards at the end of the year. Operated by Exmar on behalf of Canadian oil company Pacific Rubiales, the FLNG was initially expected in the first half of 2015. However, financing difficulties have recently forced partners to delay the project. The total output should be sold to Gazprom Marketing & Trading under a 0.5 mtpa HOA signed in December 2014.

Indonesia

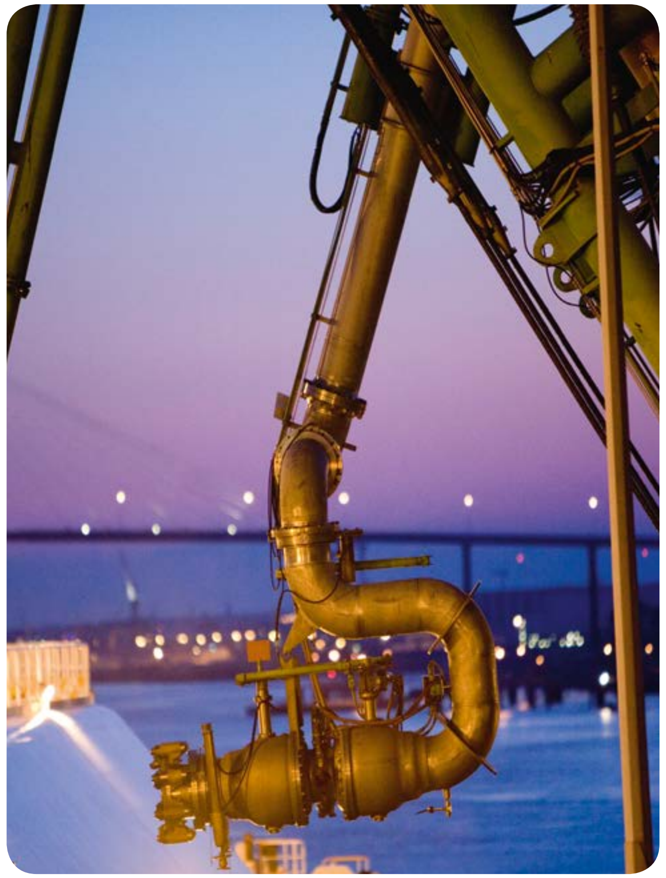
• In Indonesia, the Arun export plant exported its last cargo in October 2014. The Arun plant has been converted into an import terminal which is expected to import its first cargo in Q1 2015.

• The 2 mtpa **Donggi-Senoro** project should start producing in the second half of 2015.

• In Keera, province of South Sulawesi, Hong-Kong based Energy World Corporation (EWC) has built an LNG liquefaction project (**Sengkang**) which includes four modular 0.5 mtpa LNG trains, LNG storage and loading facilities. The installation of the 88 000 m^3 tank is nearly completed and the containment system will be installed in 2015.

Malaysia

• Petronas is developing a 1.2 mtpa floating liquefaction facility to be moored off the coast of Bintulu. The FLNG is expected to start producing in 2015. In 2014, Petronas took FID for a second 1.5 mtpa FLNG to be located off the coast of the state of Sabah. The second FLNG is expected to start production in 2018. A 3.6 mtpa expansion which could come online by the end of 2015 is also under construction on the 9th liquefaction train of the existing Bintulu plant.



Mexico

• In February 2015, Sempra Energy signed a MOU with a subsidiary of Pemex to cooperate and coordinate in the development of a natural gas liquefaction project in Mexico. The project, planned to have the capacity to process about 7.8 mtpa, will be located at the site of the Energía Costa Azul receiving terminal in Ensenada, Mexico.

Mozambique

• Anadarko and ENI, who are involved in Areas 1 and 4, expanded their exploration works to evaluate the gas reserves - estimated at over 100 Tcf -, and to complete front-end engineering studies.

• LNG production in Mozambique is not expected before the end of the decade.

Papua New Guinea

• In 2014, first exports from the 6.9 mtpa plant in Papua New Guinea started on May 25 (Spirit of Hela bound for Japan). PNG became the 20th LNG exporting country and production quickly ramped-up.

Tanzania

• Like Mozambique, Tanzania -with estimated gas reserves of more than 50 Tcf- should lead to LNG export development in East Africa. BG Group and partners (among whom Ophir Energy, Exxon Mobil and Statoil) have shown interest to develop a 2-train project in Tanzania's southern Lindi region.

USA

• In Alaska, **Kenai LNG** plant resumed exports to Japan in May 2014. Two FIDs have been taken in the U.S.A in 2014: Cameron LNG (Trains 1 to 3, with a total capacity of around 12 mtpa) and Freeport (Trains 1 and 2, with a capacity of 9.3 mtpa). Cove Point (5.3 mtpa) is also reported to have started construction, which brings total U.S capacity under construction formally to 44.6 mtpa.

Liquefaction plants (cont'd.)

• **Sabine Pass**
In 2014, Cheniere Energy continued construction of the first 4 trains of the Sabine Pass liquefaction plant, with first LNG expected from Train 1 in late 2015. The remaining three trains are expected to begin operations on a 6 to 9 months staggered basis.
Capacity from the first four trains has been sold to BG (5.5 mtpa), Gail (3.5 mtpa), KOGAS (3.5 mtpa), and Gas Natural Fenosa (3.5 mtpa).
Train 5 has been contracted to Centrica (1.7 mtpa) and Total (2.0 mtpa).
In December 2014, Cheniere received its Final Environmental Impact Study (FEIS) from the Federal Energy Regulatory Commission (FERC) for Trains 5 and 6 at Sabine Pass, putting it on track to complete environmental permitting in Q1 2015.

• **Cameron LNG**
In August, Sempra Energy and its partners - GDF SUEZ, Mitsubishi and Mitsui - took the Final Investment Decision for the 12 mtpa natural gas liquefaction plant project of Cameron LNG.
The groundbreaking ceremony of the Cameron LNG project took place in Hackberry, Louisiana (USA) on the 23rd of October.

• **Corpus Christi**
Construction of the first three trains at Corpus Christi could start in 2015. The project is designed to produce about 13.5 mtpa of LNG over three trains. Cheniere is expected to receive all necessary permits from FERC and the Department of Energy (DOE) by the first half of 2015.
Cheniere executed SPAs with six customers during 2014 totaling 6.9 mtpa, including Endesa (2.25 mtpa), Gas Natural Fenosa (1.5 mtpa), Iberdrola (0.76 mtpa), Woodside (0.85 mtpa), Électricité de France (0.77 mtpa), and Energias de Portugal (0.77 mtpa). In total, Cheniere has now SPAs place for a total of 8.42 mtpa over 20 years.

• **Cove Point**
September 2014, Dominion received approval from the U.S. Federal Energy Regulatory Commission to site, construct and operate facilities for the liquefaction and export of domestically produced natural gas. At the time of this writing, Dominion is reported to have begun the construction-related activities in October 2014, and aims to start operations in later 2017.

• **Freeport LNG**
In November 2014, Freeport LNG received final approvals for the liquefaction and LNG export facility from the U.S. Federal Energy Regulatory Commission and the U.S. Department of Energy, which give to the company all authorizations required for the construction of the project.
In November 2014, Freeport LNG closed financing on trains 1 and 2 of the liquefaction project. The first two trains are anticipated to start operations respectively 45 and 50 months from start of construction.
Financial close and start of construction on a 3rd train of the project is expected to occur in the second quarter of 2015. Each liquefaction train has a nameplate design capacity of 4.6 mtpa. Approximately 13.2 mtpa have been contracted under use - or - pay liquefaction tolling agreements with Osaka Gas, Chubu Electric, BP Energy Company, Toshiba Corp. and SK E&S LNG, LLC.

Liquefaction plants at the end of 2014

Country	Site	Liquefaction: Number of trains	Liquefaction: Nominal capacity 10^6 t per year	Storage: Number of tanks	Storage: Total capacity m^3	Owner(s)	Operator	LT Buyer(s)	Start-up date
Atlantic Basin									
Algeria	Arzew-Bethioua GL 1Z	6	7.90	3	300 000	Sonatrach	Sonatrach	GDF SUEZ, Botaş, ENI, Iberdrola, Depa, Cepsa Gas, Statoil, Endesa	1978
	Arzew-Bethioua GL 2Z	6	8.20	3	300 000	Sonatrach	Sonatrach	GDF SUEZ, Botaş, ENI, Iberdrola, Depa, Cepsa Gas, Statoil, Endesa	1981
	Arzew-Bethioua GL 3Z	1	4.70	2	320 000	Sonatrach	Sonatrach	GDF SUEZ, Botaş, ENI, Iberdrola, Depa, Cepsa Gas, Statoil, Endesa	2014
	Skikda - GL1K/ GL2K	3	3.20	5	308 000	Sonatrach	Sonatrach	GDF SUEZ, Botaş, ENI, Iberdrola, Depa, Cepsa Gas, Statoil, Endesa	1972-1981
Angola	Soyo	1	5.20	2	320 000	Angola LNG (Chevron 36.40%, Sonangol 22.80%, BP 13.60%, ENI 13.60%, Total 13.60%)	Chevron	Angola LNG	2013
Egypt	Damietta	1	5	2	300 000	Union Fenosa Gas (80%), EGPC (10%), EGAS (10%)	SEGAS SERVICES	BP, Union Fenosa Gas	2005
	Idku	2	7.20	2	280 000	T1: BG (35.50%), Petronas (35.50%), GDF SUEZ (5%), Egyptian LNG (EGPC 12%, EGAS 12%)	LNOC	Gas Natural Fenosa	2005
Equatorial Guinea	Bioko Island	1	3.70	2	272 000	Marathon (60%), Sonagas (25%), Mitsui (8.50%), Marubeni (6.50%)	EG LNG	BG	2007
Libya (stopped)	Marsa-el-Brega	4	3.20	2	96 000	LNOC	LNOC	Gas Natural Fenosa	1970
Nigeria	Bonny Island (NLNG T1-3)	3	9.60	3	336 800	Nigeria LNG (NNPC 49%), Shell (25.60%), Total (15%), ENI (10.40%)	Shell	Enel, Gas Natural Fenosa, Botas, GDF SUEZ, GALP	1999-2002
	Bonny Island (NLNG T4 & 5)	2	8.10			Nigeria LNG (NNPC 49%), Shell (25.60%), Total (15%), ENI (10.40%)	Shell	BG, Shell, Iberdrola, Endesa, GALP, Total, ENI	2006
	Bonny Island (NLNG T6)	1	4.10	1	84 200	Nigeria LNG (NNPC 49%), Shell (25.60%), Total (15%), ENI (10.40%)	Shell	Total, Shell	2008
Norway	Hammerfest	1	4.30	2	250 000	Statoil (36.79%), Petoro (30%), TOTAL (18.40%), GDF SUEZ (12%), RWE (2.81%)	Atlantic LNG		2007
Trinidad & Tobago	Point Fortin	4	15.50	4	524 000		Atlantic LNG		1999
	Atlantic LNG T1	1	3.30	2	204 000	BP (34%), BG (26%), Shell (20%), CIC (10%), NGC Trinidad (10%)	Atlantic LNG	GDF SUEZ, Gas Natural Fenosa	1999
	Atlantic LNG T2 & 3	2	7	1	160 000	BP (42.50%), BG (32.50%), Shell (25%)	Atlantic LNG	BG, BP, Gas Natural Fenosa, Naturgas, Shell	2002-2003
	Atlantic LNG T4	1	5.20	1	160 000	BP (37.80%), BG (28.90%), Shell (22.20%) NGC Trinidad (11.10%)	Atlantic LNG	BG, BP, Shell	2006
Middle-East									
Abu Dhabi	Das Island	3	5.80	3	240 000	ADNOC (70%), Mitsui (15%), BP (10%), Total (5%)	Adgas	The Tokyo Electric Power Co.	1977
Oman	Qalhat	2	7.10	2	240 000	Omani gvt (51%), Shell (30%), Total (5.50%), Korea LNG (5%), Mitsubishi (2.80%), Mitsui (2.80%), Partex (2%), Itochu (0.90%)	Oman LNG	KOGAS, Shell, Osaka Gas, BP, Itochu	2000
		1	3.60			Omani gvt (46.80%), Oman LNG (36.80%), Union Fenosa Gas (7.40%), Osaka Gas (3%), Mitsubishi (3%), Itochu (3%)	Qalhat LNG	Mitsubishi, Osaka Gas, Union Fenosa Gas, Itochu	2006

Liquefaction plants 2014 (cont'd.)

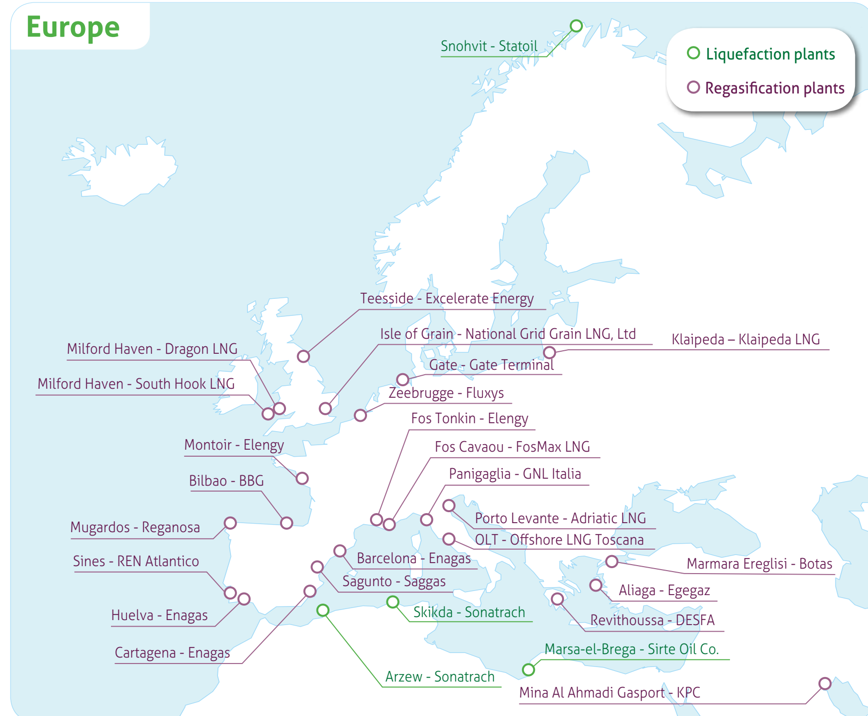
Country	Site	Liquefaction: Number of trains	Liquefaction: Nominal capacity 10^6 t per year	Storage: Number of tanks	Storage: Total capacity m^3	Owner(s)	Operator	LT Buyer(s)	Start-up date
Qatar	Ras Laffan (Qatargas 1 - T1 & 2)	2	6.40	4	340 000	Qatar Petroleum (65%), ExxonMobil (10%), Total (10%), Marubeni (7.50%), Mitsui (7.50%)	Qatargas I	Chubu Electric, The Chugoku Electric, The Kansai Electric, Osaka Gas, Toho Gas, Tohoku Electric, Tokyo Gas, Tokyo Electric, Gas Natural Fenosa, PTT	1999
	Ras Laffan (Qatargas 1 - T3)	1	3.10			Qatar Petroleum (65%), ExxonMobil (10%), Total (10%), Marubeni (7.50%), Mitsui (7.50%)	Qatargas I	Tokyo Gas	1999
	Ras Laffan (Qatargas 2 - T1)	1	7.80	8	1 160 000	Qatar Petroleum (70%), ExxonMobil (30%)	Qatargas II	ExxonMobil, Chubu	2009
	Ras Laffan (Qatargas 2 - T2)	1	7.80			Qatar Petroleum (65%),ExxonMobil (18.30%), Total (16.70%)	Qatargas II	ExxonMobil, Total, CNOOC	2009
	Ras Laffan (Qatargas 3 - T1)	1	7.80			Qatar Petroleum (68.50%), ConocoPhillips (30%), Mitsui (1.5%)	Qatargas III	ConocoPhilips, Shell, Centrica	2010
	Ras Laffan (Qatargas 4 - T1)	1	7.80			Qatar Petroleum (70%), Shell (30%)	Qatargas IV	Shell, Petrochina, Marubeni	2011
	Ras Laffan (Rasgas 1 - T1 & 2)	2	6.60	6	840 000	Qatar Petroleum (63%), ExxonMobil (25%), KOGAS (5%), Itochu (4%), LNG Japan (3%)	RasGas I	KOGAS, ENI	1999-2000
	Ras Laffan (Rasgas 2 - T1)	1	4.70			Qatar Petroleum (70%), ExxonMobil (30%)	RasGas II	Petronet LNG	2004
	Ras Laffan (Rasgas 2 - T2)	1	4.70			Qatar Petroleum (70%), ExxonMobil (30%)	RasGas II	Endesa, Edison	2005
	Ras Laffan (RasGas 2 - T3)	1	4.70			Qatar Petroleum (70%), ExxonMobil (30%)	RasGas II	Petronet, EDF, ENI, CPC	March 2007
	Ras Laffan (Rasgas 3 - T1)	1	7.80			Qatar Petroleum (70%), ExxonMobil (30%)	RasGas III	Petronet, KOGAS	August 2009
	Ras Laffan (Rasgas 3 - T2)	1	7.80			Qatar Petroleum (70%), ExxonMobil (30%)	RasGas III	ExxonMobil	April 2010
Yemen	Balhaf - T1 & 2	2	6.70	2	280 000	Yemen LNG (Total 39.60%, Hunt Oil Co. 17.20%, SK Corp. 9.60%, KOGAS 6%, Yemen Gas Co. 16.70%, Hyundai 5.90%, GASSP 5%)	Yemen LNG	KOGAS, GDF SUEZ, Total	October 2009 & April 2010
Pacific Basin									
Australia	Withnell Bay - Trains 1 - 4	4	12.10	4	260 000	Woodside, Shell, BHP, BP Australia, Chevron (17% each) Mitsubishi , Mitsui (8% each)	Woodside	Tokyo Electric, Chubu Electric, Kansai Electric, The Chugoku Electric, Kyushu Electric, Tokyo Gas, Osaka Gas, Shizuoka Gas, Tokoku Electric, Nippon Gas, KOGAS, Shell, CNOOC	Trains 1 & 2: 1989; Train 3: 1992, Train 4: 2004
	Withnell Bay - Train 5	1	4.30	1	65 000	Woodside, Shell, BHP, BP Australia, Chevron (17% each) Mitsubishi, Mitsui (8% each)	Woodside	Tokyo Electric., Chubu Electric, Kansai Electric, The Chugoku Electric, Kyushu Electric, Tokyo Gas, Osaka Gas, Shizuoka Gas, Tohoku Electric, Nippon Gas, KOGAS, Shell Hazira Gas, CNOOC	2008
	Darwin	1	3.40	1	188 000	ConocoPhillips (57%), ENI, Santos, Inpex (11% each) The Tokyo Electric Power Co. (6%), Tokyo Gas (3%)	ConocoPhillips	Tokyo Electric, Tokyo Gas	2006
	Pluto	1	4.30	2	240 000	Woodside (90%), The Kansai Electric (5%), Tokyo Gas (5%)	Woodside	The Kansai Electric, Tokyo Gas, Petronas	2012
	Curtis Island	1	4.30	2	280 000	BG (50%), CNOOC (50%)	BG	BG, CNOOC	2014
Brunei	Lumut	5	7.10	3	195 000	Brunei gvt (50%), Shell (25%), Mitsubishi (25%)	Brunei LNG Sdn Bhd	Tokyo Gas, The Tokyo Electric Power Co., Osaka Gas, KOGAS	1973

Liquefaction plants 2014 (cont'd.)

Country	Site	Liquefaction: Number of trains	Liquefaction: Nominal capacity 10^6 t per year	Storage: Number of tanks	Storage: Total capacity m³	Owner(s)	Operator	LT Buyer(s)	Start-up date
U.S.A.	Kenai	1	0.40	3	108 000	ConocoPhillips	ConocoPhillips	Tokyo Gas, Tokyo Electric	1969
Indonesia	Blang Lancang Arun (ceased operations in October 2014)			5	636 000	Pertamina	PT Arun NGL Co. (Pertamina 55%, ExxonMobil 30%, JILCO 15%)	KOGAS	1978-2014 (decommissioned)
	Bontang - Badak (Total capacity)	8	22.30	6	630 000	Pertamina	Pertamina (55%), VICO (BP, ENI, 20%), JILCO (15%), Total (10%)		
	Badak A & B	2						Kansai Electric, Chubu Electric, Kyushu Electric, Osaka Gas, Toho Gas, Nippon Steel Co.	1977
	Badak C & D	2						Kansai Electric, Chubu Electric, Osaka Gas, Toho Gas	1983
	Badak E	1						CPC	1990
	Badak F	1						Tokyo Gas, Osaka Gas, Toho Gas, Hiroshima Gas, Nippon Gas	1994
	Badak G	1						KOGAS	1998
	Badak H	1						CPC	1998
	Tangguh	2	7.60	2	340 000	Tangguh LNG (BP 37.16%, CNOOC 13.90%, JX Nippon 13.50%, Mitsubishi 9.90%, INPEX 7.80%, LNG Japan 7.40%, KG Berau 5%, Talisman 3.10%, Mitsui 2.30%)	Tangguh LNG	KOGAS, Posco, SK E&S, CNOOC, Chubu Electric, Kansai Electric, Tohoku Electric, Sempra LNG	2009
Malaysia	Bintulu MLNG 1 (Satu)	3	8.10	6	390 000	Petronas (90%), Mitsubishi (5%), Sarawak state gvt (5%)	Petronas	Tokyo Gas, Tokyo Electric, Saibu Gas, Shikoku Electric, Hiroshima Gas	1983
	Bintulu MLNG 2 (Dua)	3	7.80			Petronas (60%), Shell (15%), Mitsubishi (15%), Sarawak state gvt (10%)	Malaysia LNG Dua	Chubu Electric, Tokyo Gas, Osaka Gas, Toho Gas, The Kansai Electric, Shizuoka Gas, Tohoku Electric, Sendai City Gas, KOGAS, CPC	1995
	Bintulu MLNG 2 (Dua) - debottleneck	1	1.50			Petronas (60%), Shell (15%), Mitsubishi (15%), Sarawak state gvt (10%)	Malaysia LNG Dua	Chubu Electric, Tokyo Gas, Osaka Gas, Toho Gas, The Kansai Electric, Shizuoka Gas, Tohoku Electric, Sendai City Gas, KOGAS, CPC	2010
	Bintulu MLNG 3 (Tiga)	2	6.80			Petronas (60%), Shell (15%), JX Nippon Oil (10%), Sarawak state gvt (10%), Mitsubishi (5%)	Malaysia LNG Tiga	Tokyo Gas, Osaka Gas, Toho Gas, Tohoku Electric, Japex, KOGAS, CNOOC	2003
Papua New Guinea	PNG LNG	2	6.90	2	320 000	Exxon Mobil (33.20%), Oil Search (29%), Indep Public Business Corp (16.60%), Santos (13.50%), JX Nippon (3.70%), MRDC (2.80%), Marubeni (1%), Petromin PNG (0.20%)	PNG LNG	CPC, Sinopec, Tokyo Electric, Osaka Gas	2014
Peru	Peru LNG	1	4.45	2	260 000	Hunt Oil (50%), Shell (20%), SK Energy (20%), Marubeni (10%)	Hunt Oil	Shell	2010
Russia	Sakhalin 2	2	9.55	2	200 000	Sakhalin Energy Invest Co. (Gazprom 50%, Shell 27.50%, Mitsui 12.50%, Mitsubishi 10%)	Sakhalin Energy Invest Co. (Gazprom 50%, Shell 27.50%, Mitsui 12.50%, Mitsubishi 10%)	Gazprom, Shell, KOGAS, Chubu Electric, Hiroshima Gas, Kyushu Electric, Osaka Gas, Saibu Gas, Toho Gas, Tohoku Electric, Tokyo Electric, Tokyo Gas	2009
	Total	**92**	**298**		**10 807 000**				

Regasification plants

Six new terminals with a combined capacity of 25.5 Bcm/y (20 mtpa) started receiving LNG in 2014.
Five new terminals are located in Asia: in China (Qingdao and Hainan) , Japan (Hibiki), South Korea (Samcheok) and Indonesia (PGN FSRU Lampung) and one terminal in Europe: in Lithuania (Klaipeda).
At the end of the year, 21 projects worldwide were under construction, with 15 of them located in Asia. 7 expansion projects were also underway.



Bangladesh

• The authorities have launched a tender to build a 3.5 mtpa onshore import terminal in Moheshkhali Island or in Anwara. The terminal would be set up on the build-own-operate basis and would supply gas to power plants.
State company Petrobangla is also planning to install an FSRU in the Bay of Bengal.

Bahrain

• In 2014, Bahrain has revived its imports schemes by issuing a request for proposal for a 3 mtpa import terminal which would be located in Khalifa Bin Salman Port, on the North-Eastern coast.
The project would be in the form of an LNG floating storage unit (FSU) combined with an onshore regasification plant.
Start-up is expected the second half of 2017.

Belgium

• A second jetty is currently under construction at Zeebrugge. Commissioning is expected in 2015. The small scale LNG-infrastructure investment at the second jetty is co-financed by the European Union and will enable LNG ships as small as 2 000 m³ to berth whereas the minimum size is 7 500 m³ currently. Following a contract between ENI and Skangass, in 2015 and 2016 two small scale ship loadings shall take place per month, in order to transport LNG from Zeebrugge to Lysekill, Sweden.

Brazil

• In Brazil, the FSRU Golar Winter was moved from Guanabara Bay to the port of Baia de Todos os Santos in February. In Guanabara Bay, Excelerate's FSRU Experience was delivered in April. The new terminal has a storage capacity of 173 400 m³ and a send-out capacity of around 8 Bcm/y.

Chile

• In Mejillones, a 187 000 m³ onshore tank is now operational and replaces the FSU.
In Quintero, the Truck Loading Facility was expanded from 2 to 4 bays, or from 1 250 m³ (per day) to 2 500 m³ per day, allowing the company to load up to 50 LNG trucks per day. With the installation of a new third vaporizer, Phase I Expansion Project will expand total capacity to about 15 millions m³ per day in early 2015.
In 2014, President Michelle Bachelet announced that Chile would build a new liquefied natural gas terminal in the central-south region.

China

• China is currently adding massive regasification capacity. Two new terminals came online in 2014 :
- The 3 mtpa Qingdao import terminal developed by Sinopec was commissioned in December with a cargo from Papua New Guinea. Sinopec has a 2mtpa long-term contract with PNG LNG.
- The Hainan LNG terminal (CNOOC's 7th terminal) which received a commissioning cargo from Qatar in August. The FSRU has a nameplate capacity of 3 mtpa and is the second terminal in China after Dalian to have reloading capabilities. Three terminals are being expanded:
• In Guangdong, a 4th tank with a capacity of 160 000 m³ is being constructed and is scheduled to be commissioned by September 2015.
• Jiangsu (Rudong) terminal: construction of a 4th storage tank of 200 000 m³, planned to be completed at the end of December. The terminal has a send-out capacity of 3.5 mtpa.
• In Tianjin, currently operated with the FSRU Cape Ann, a land-based expansion project will increase the capacity to 6 mtpa.
Six new terminals (Beihai, Shenzhen, Tianjin, Yantai, Yuedong and Zhangzhou) are also under construction, for a combined capacity of around 16 mtpa.

Colombia

• In November, Höegh signed a twenty year charter to provide a 5 Bcm/y FSRU to Colombia's Sociedad Portuaria El Cayao (Spec). At the end of the year, the project was subject to environmental approval. Höegh LNG plans to employ FSRU#7 / HN2551 scheduled for delivery in May 2015.

Dominican Republic

• Construction work started on a new 1 mtpa receiving terminal developed by BW Gas. The terminal will use an FSRU or an FSU and it will supply a local power plant.

Egypt

• In Egypt, Höegh LNG signed a five year FSRU time charter contract with state company Egas. With a capacity of around 5 Bcm/y, the Höegh Gallant FSRU is expected to start operating in 2015.

Emirates

• The United Arab Emirates are planning to develop a 9 mtpa terminal in **Fujairah** with possible start-up in 2018.

France

• In **Dunkirk**, the construction of the 13 Bcm/y regasification plant was 83.7% complete at the end of 2014, on time and in line with budget. The terminal will include 3 storage tanks of 190 000 m³ and it will be able to accommodate Q-Max vessels.
The 1st LNG commissioning vessel is planned during the summer 2015 and commercial start-up date remains scheduled for November 2015.

Regasification plants (cont'd.)

Greece

• In Revithoussa, the 3rd expansion project has broken ground and is progressing. Completion is expected by end 2016. The project includes construction of a 3rd tank of 95 000 m³ and facilities for reloading small and medium size ships.

India

• In Dahej, a second jetty was commissioned in April 2014. The terminal is now capable of receiving Q-Max vessels, and the first Q-Max was received in December 2014. During the third quarter 2014, the Dahej terminal has operated at its highest level ever of around 117% of its nameplate capacity. Dahej's capacity expansion to 15 mtpa is underway.
Completion is expected by Q4 2016.
In Kochi, a truck loading facility started operating in September 2014.
In **Mundra** (West Coast), GSPC and Adani Group are jointly developing a 7 Bcm/y onshore terminal expected to start-up by the end of 2016.

• On the East Coast, Petronet is planning to build their 3rd terminal in **Gangavaram**, with a proposed initial capacity of 5 mtpa.
The terminal could be commissioned in 2017-18. To commence supplies as early as 2016, an FSRU option is being examined. Also in Andra Pradesh province, Gail is looking at installing an FSRU, off the coast of Kakinada. The **Kakinada** project will have GDF Suez and Shell as strategic partners, each with a 26% stake. The FSRU would have a capacity of 3.5 mtpa and would supply gas to state-owned companies in Andhra Pradesh province. The project is scheduled to be completed in 18 months from the date of Final Investment Decision (FID).

Indonesia

• In Indonesia, a 2nd regasification terminal started operating in July: the 2 mtpa **PGN FSRU Lampung** terminal (Höegh).
• In addition, the former Arun export plant is being converted into a 1.5 mtpa import terminal. Arun could start receiving LNG in 2015.

Israel

• In January, Israel Natural Gas Lines launched the 3.7 mtpa **Hadera LNG** terminal, operated by Excelerate. The terminal received 0.4 Mt of LNG in 2013.

Italy

• In Panigaglia, the plant is in low send-out conditions since 2013 and in 2014 the natural Boil-Off Gas (BOG) has represented the main part of the total send-out from the terminal. In July 2014, a new Boil-Off Gas compressor was commissioned and it is currently available.
The expansion project includes: the possibility to unload larger ships (up to 140 000 m³), a revamping process of the plant's main equipments involving the storage tanks and the berthing area, and the installation of a new cogeneration plant (32 MW) for self-production of electricity.

Japan

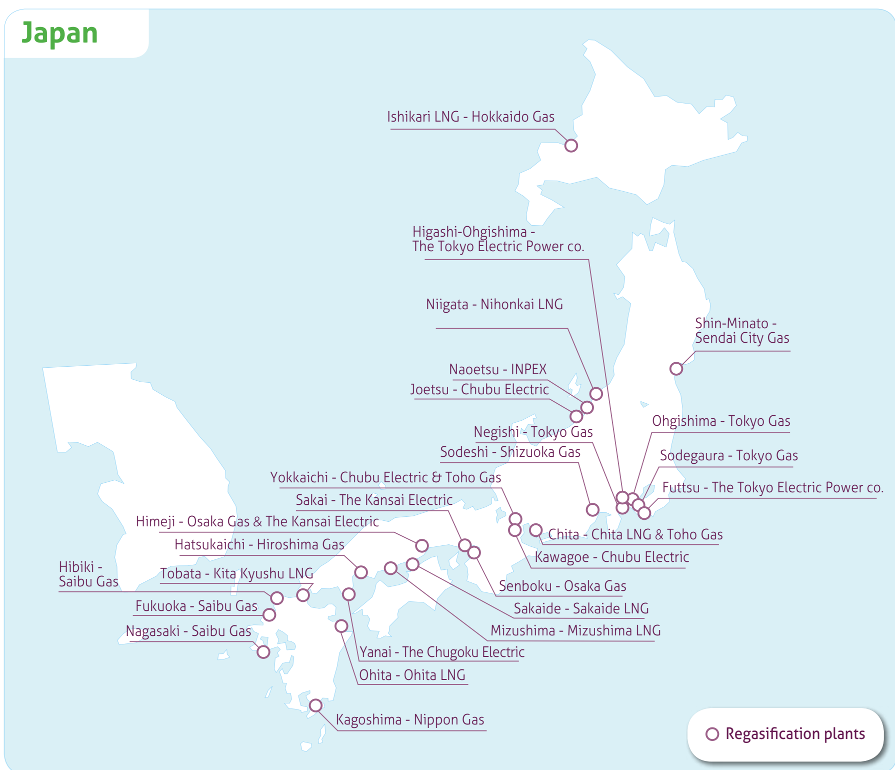
• Two terminals were under construction at the end of 2014 :
- **Hitachi** terminal, developed by Tokyo Gas, with an expected capacity of 1 mtpa in the first phase.
- JX Nippon Oil & Energy's 4.6 mtpa **Hachinohe LNG** terminal, which was expected to start commercial operations in April 2015.
In Ishikari, HOKKAIDO GAS is building a second LNG storage tank and installing an additional LNG vaporizer.

Jordan

• In **Aqaba**, BAM has started construction work on the jetty and is expected to start importing LNG by Q2 2015. It will lease a 160 000 m³ vessel from Golar for 10 years. The terminal will have a capacity of around 3.5 mtpa.

South Korea

• KOGAS commissioned its 4th Receiving terminal, **Samcheok**, with 1 jetty and 3 storage tanks (phase 1) in July 2014. In accordance with the timeline of construction, Samcheok terminal will be further expanded to 12 storage tanks by May 2017, for a total storage capacity of 2,610,000 m³ and a 7.9 mtpa regasification capacity.
GS Energy and SK E&S are constructing a 1.5 mtpa terminal in **Boryeong**, South of Seoul, expected to start-up in 2016. In October 2014, Posco was said to be looking to sell a portion of its stakes in the existing Gwangyang terminal.



Kuwait

• In Kuwait, the Golar Igloo FSRU replaced Excelerate's Explorer in March 2014 and delivered the first cargo from Qatar.
In the future, Kuwait plans to build an onshore terminal to replace the current FSRU.

Lithuania

• In Lithuania, the FSRU Independence started-up in October. Operated by Höegh LNG and chartered by Klaipedos Nafta, the terminal started services as of January 1st 2015. It is able to reload to smaller ships and to LNG cargoes. Theoretical capacity is 4 Bcm/y. Litgas has a 0.54 Bcm/y LNG supply contract with Statoil.

Netherlands

• In 2014, **Gate Terminal** started operations on its truck loading bay in February. Gate also took FID for a break bulk terminal next to Gate with a third and dedicated small scale jetty with Shell as launching customer. RFO is planned for 2016.

Pakistan

• Developed by Engro in a record time, Pakistan's first LNG terminal was expected to be commissioned by the end of March 2015. Located at **Port Qasim**, the FSRU will be leased by Excelerate. It will be able to receive 9 mpta of LNG and to handle Q-Flex vessels up to 217 000 cubic meters.

Philippines

• Australia's Energy World Corp. is building an LNG receiving terminal and a 600-megawatt power plant in **Pagbilao**, Quezon.
The 1st phase will involve a 130 000 m³ storage tank, regasification facility, jetty and supporting infrastructure.
Three other projects are under consideration, two of which would be land-based (First Gen Corp., Osaka Gas) and one in the form of an FSRU project (Shell).

Poland

• In Poland, construction of the **Swinoujscie** receiving terminal is still underway and will be completed in 2015.
Polskie LNG S.A. is considering the expansion of the terminal just after its start-up. The possible expansion would include building a 3rd tank, reloading facilities to reload LNG to smaller vessels, bunkering installations and expansion of truck loading facilities.
PGNiG and Qatargas renegotiated the supply contract so that the LNG initially intended for Poland can be delivered elsewhere in 2015.

Puerto Rico

• A new FRSU has been ordered by Puerto Rico's utility Prepa to Excelerate. It will be Puerto Rico's second terminal. Designed to supply the 1500 MW Aguirre power plant, the **Aguirre Offshore GasPort** facility is expected to be in service in 2016.

Singapore

• SLNG awarded the EPC contract in August 2014 for the expansion of terminal facilities. Expansion will include the addition of a 4th tank (260 000 m³ net working capacity), additional process capacity to increase regasification capacity to about 16.6 Bcm/y and nitrogen ballasting facilities.
• SLNG also started offering Storage & Reload Services in July 2014 on a short term (storage of less than a year) basis.

Spain

• During 2014, BBG has finished the construction of a new tank of 150 000 m³ capacity, which implies a 50% increase in the storage capacity of the plant, allowing enough storage to accommodate Q-max vessels.
Additionally, BBG has improved the system to be able to reload ships in a fast and efficient way, up to a loading rate capacity of 2 500 m³ of LNG per hour. BBG has also initiated the truck loading service which had to be halted during the construction of the third tank for safety reasons.

Taiwan

• In Taiwan, the capacity of **Taichung** terminal will be expanded from 4.5 mtpa to 5 mtpa. 3 additional 160 000 m³ tanks and related regasification

facilities will be installed before 2019. CPC is also conducting feasibility studies for a 3rd terminal in Northern Taiwan. The receiving terminal would be able to handle up to 6 mtpa and would thus expand Taiwan's total receiving capacity to 17.5 mtpa in 2022 and 20 mtpa in 2024.

Thailand

• PTT LNG has started to **Map Ta Phut** expand the terminal by building 2 LNG tanks (160 000 m³ each), 1 Jetty (125 000 – 270 000 m³) as well as another 5 mtpa regasification unit. Phase 2 expansion is expected to be completed by 2017.

United Arab Emirates

• In 2014, DUSUP signed a 10-year charter agreement with Excelerate Energy to lease an FSRU which will be located at the existing **Dubai LNG terminal**. The FSRU should replace the existing Golar Freeze, which will be dry-docked in 2015.

United Kingdom

• Isle of Grain has taken FID on a truck loading station on course for completion in summer 2015. **Grain LNG** is continuing to progress a possible further expansion of the terminal (Phase 4).

Uruguay

• Near Montevideo, GDF SUEZ has been selected by **Gas Sayago**, (joint-venture between state companies Ancap and UTE) to build and operate the country's 1st import terminal. The 263 000 m³ FSRU is being built by Mitsui and will have a regasification capacity of 3.7 Bcm/y, with possible expansion to 5.5 Bcm/y.
In a bridging phase starting in 2015, GDF SUEZ will use its GDF Suez Neptune SRV.

Vietnam

• State company PV Gas is planning to start importing LNG in 2017 through a 1 mtpa terminal.
In June 2014, Shell signed a Master Sales and Purchase Agreement with PetroVietnam Gas Joint Stock Corporation (PVGas) to supply LNG to the **Thi Vai LNG** receiving and regasification terminal once it comes onstream.
On the same day, Shell also signed a Memorandum of Understanding for collaboration on the potential Son My LNG receiving and regasification terminal project in Vietnam with PVGas.

Regasification Terminals at the end of 2014

Country	Site	Storage: Number of tanks	Storage: Total capacity in liq m³	Send-out: Number of vaporizers	Send-out: Nominal capacity in NG Bcm/y	Owner	Operator	Third Party Access (TPA)	Services offered (Reloading, Transshipment, Bunkering, Truck loading)	Start-up date of the terminal
AMERICAS										
Argentina	Bahia Blanca *(F)		151 000	6	5.1	YPF	YPF	No		2008
	Escobar *(F)		151 000	6	5.1	UTE Escobar (50% Enarsa, 50% YPF)	YPF	No		2011
Brazil	Bahia *(F) - Golar Winter		137 000		8.3	Owner: Golar / Charterer: Petrobras	Petrobras	No		2013
	Guanabara Bay *(F) - Excelerate Experience		173 400	6	5	Owner: Excelerate Energy / Charterer: Petrobras		No		2009
	Pecem *(F) - Golar Spirit		129 000	2	2.5	Owner: Golar / Charterer: Petrobras	Petrobras	No		2009
Canada	Canaport LNG	3	160 000	8	10	Repsol (75%), Irving Oil (25%)	Repsol Canada Ltd	Yes (but no RTPA)		2009
Chile	Mejillones	1	175 000	3	2	Codelco (37%), GDF SUEZ (63%)	GNLM	Yes		2010
	Quintero	3	334 000	3	3.7	Terminal de Valparaiso S.A (40%), ENAP (20%), Endesa (20%), Metrogas (20%)	GNL Quintero S.A.	Yes	Truck loading (4 bays-50 Trucks/day)	2009
Dominican Rep.	Punta Caucedo	1	160 000	2	2.3	AES	AES	No	Truck loading	2003
Mexico	Altamira	2	300 000	5	7.8	Terminal de LNG de Altamira (Vopak 60%, Enagas 40%)	Terminal de LNG de Altamira (Vopak 60%, Enagas 40%)	Yes		2006
	Energia Costa Azul	2	320 000	6	10.3	Sempra	Sempra	Yes		2008
	Manzanillo	2	300 000		5.2	Samsung (37.50%), Kogas (25%), Mitsui (37.50%)	KOGAS			2012
Puerto Rico	Penuelas	1	160 000	2	3.7	Gas Natural Fenosa (47.50%), GDF SUEZ (35%), Mitsui (15%), GE (2.50%)	Eco Electrica			2000
U.S.A.	Cameron LNG	3	480 000	10	15.5	Sempra	Sempra	Yes		2009
	Cove Point	5	380 000	10	10.7	Dominion Cove Point LNG	Dominion Cove Point LNG	Shell, BP, Statoil, Peakers 1/4 each		1978, restarted 2003
	Cove Point Expansion	2	320 000	15	8	Dominion Cove Point LNG	Dominion Cove Point LNG	Statoil		2008
	Elba Island	5	535 000	11	16.3	Southern LNG (Kinder Morgan)	Southern LNG	Yes		1978, restarted 2001, expanded 2006, expanded 2010
	Everett	2	155 000	4	6.9	GDF SUEZ	GDF SUEZ	Yes		1971
	Freeport LNG	2	320 000	7	18	Freeport LNG Development, L.P.	Freeport LNG Development, L.P.	Yes		2008
	Golden Pass	5	775 000	8	21.4	QP (70%) Exxon (17.60%), Conoco Philips (12.40%)	Golden Pass LNG	No		2010
	Gulf LNG Energy	2	320 000		12	Kinder Morgan (50%), GE (40%), AES (10%)	Gulf LNG Energy	No		2011
	Lake Charles	4	425 000	14	24.3	Trunkline LNG	Trunkline LNG	Yes		1982, Infrastructure enhancement project completed March 2010
	Northeast Gateway *(F)		151 000	6	4.1	Excelerate Energy	Excelerate Energy			2008
	Sabine Pass	5	800 000	16	41.3	Cheniere Energy	Cheniere Energy	Total, Chevron, CMI		2008
			7311 400		*249.6*					
ASIA										
China	Dalian	3	480 000	3	4.1	Petrochina (75%), other companies	Petrochina	No	Reloading	2011
	Guangdong Dapeng, Shenzhen	3	480 000	7	9.2	CNOOC (33%), BP (30%), other companies	GDLNG	No	Truck loading	2006

*(F) : Floating technology

Country	Site	Storage: Number of tanks	Storage: Total capacity in liq m³	Send-out: Number of vaporizers	Send-out: Nominal capacity in NG bcm/y	Owner	Operator	Third Party Access (TPA)	Services offered (Reloading, Transshipment, Bunkering, Truck loading)	Start-up date of the terminal
China	Dongguan, Guangdong province	2	160 000		1.4	Jovo Group				2013
	Fujian	2	320 000		3.6	Fujian LNG (CNOOC 60%, Fujian Inv. & Dev.Co. 40%)	CNOOC	No		2008
	Hainan	3	480 000		3	CNOOC	CNOOC	No	Reloading	2014
	Qingdao	3	480 000		4.2	Sinopec	Sinopec	No		2014
	Rudong, Jiangsu	2	320 000	3	4.8	Petrochina (55%), other companies	Petrochina	No		2011
	Shanghai, Mengtougou	3	120 000		0.3	Shanghai Gas Group	Shanghai Gas Group	No		2008
	Shanghai LNG	3	495 000		4.1	Shanghai LNG (CNOOC 45%, Shenergy Group Ltd 55%)	CNOOC	No		2009
	Tangshan (Caofeidian)	3	480 000		4.8	Petrochina	Petrochina, Beijng Entreprises			2013
	Tianjin *(F) - GDF SUEZ Cape Ann	2	60 000		3	Owner: Höegh LNG (50%), MOL (48.50%), Tokyo LNG Tanker Co. (1.50%) / Charterer: GDF SUEZ - relet to CNOOC for 5 years	Höegh LNG			2013
	Zhejiang, Ningbo	3	480 000		4.1	CNOOC (51%), other companies	CNOOC	No		2012
	Zhuhai (Gaolan)	3	480 000		4.8	CNOOC	CNOOC			2013
India	Dabhol	2	320000	6	2.4	Ratnagiri Gas & Power Ltd (GAIL, NTPC)	Gail	No		2013
	Dahej	4	592 000	19	12.5	Petronet LNG	Petronet LNG	Yes (on a cargo by cargo basis)		2004, expansion in July 2009
	Hazira	2	320 000	5	6.9	Hazira LNG Private Ltd (Shell 74%, Total 26%)	Hazira LNG Private Ltd	No		2005
	Kochi	2	368 000	6	6.3	Petronet LNG	Petronet LNG	Yes (on a cargo by cargo basis)		2013
Indonesia	Lampung LNG *(F) - PGN FSRU Lampung		173000	3	2.4	Owner: Höegh LNG / Charterer: PGN LNG	Höegh LNG			2014
	Nusantara Regas Satu *(F)	6	125 016	6	4.1	Owner: Golar LNG Charterer: Nusantara Regas	PT Nusantara Regas (JV Pertamina & PGN)	No		2012
Japan	Chita	7	640 000	11	14.8	Chita LNG	Chita LNG	Yes		1983
	Chita Kyodo	4	300 000	14	9.9	Toho Gas / Chubu Elec	Toho Gas	Negotiated TPA		1978
	Chita-Midorihama Works	2	400 000	8	10.5	Toho Gas	Toho Gas	Negotiated TPA		2001
	Fukuoka	2	70 000	7	1.1	Saibu Gas	Saibu Gas	Yes	Truck loading	1993
	Futtsu	10	1110 000	13	26	Tokyo Electric	Tokyo Electric	Yes		1985
	Hatsukaichi	2	170 000	4	1.2	Hiroshima Gas	Hiroshima Gas	No		1996
	Hibiki	2	360 000	5	2.9	Hibiki LNG (Saibu Gas 90%, Kyushu Electric 10%)	Hibiki LNG	Negotiated TPA	Truck loading	2014
	Higashi - Ohgishima	9	540 000	9	18	Tokyo Electric	Tokyo Electric	Yes		1984
	Himeji	8	740 000	6	6.4	Osaka Gas	Osaka Gas	Yes		1984
	Himeji LNG	7	520 000	8	11	Kansai Electric	Kansai Electric	Yes	Truck loading	1979
	Ishikari LNG	1	180 000	3	2.3	Hokkaido Gas	Hokkaido Gas	Negotiated TPA	Truck loading	2012
	Joetsu	3	540 000	8	3.2	Chubu Electric	Chubu Electric			2011
	Kagoshima	2	86 000	3	0.3	Nippon Gas	Nippon Gas	No		1996
	Kawagoe	6	840 000	7	6.7	Chubu Electric	Chubu Electric	Yes		1997

*(F) : Floating technology

Regasification Terminals in 2014 (cont'd.)

Country	Site	Storage		Send-out		Owner	Operator	Third Party Access (TPA)	Services offered (Reloading, Transshipment, Bunkering, Truck loading)	Start-up date of the terminal
		Number of tanks	Total capacity in liq m³	Number of vaporizers	Nominal capacity in NG bcm/y					
	Mizushima	2	320 000	6	5.8	Mizushima LNG	Mizushima LNG	Yes		2006
	Nagasaki	1	35 000	3	0.2	Saibu Gas	Saibu Gas	Yes	Truck loading	2003
	Naoetsu	2	360 000	4	2	INPEX Corporation	INPEX Corporation	No		2013
	Negishi	14	1 180 000	13	13.8	Tokyo Gas /Tokyo Electric	Tokyo Gas /Tokyo Electric	Negotiated TPA	Truck loading	1969
	Niigata	8	720 000	14	11.6	Nihonkai LNG	Nihonkai LNG	Yes		1984
	Ohgishima	4	850 000	11	12.8	Tokyo Gas	Tokyo Gas	Negotiated TPA		1998
	Oita	5	460 000	6	6.3	Oita LNG	Oita LNG	Yes		1990
	Sakai	3	420 000	6	8.7	Kansai Electric	Kansai Electric	Yes	Truck loading	2006
	Sakaide	1	180 000	3	1.6	Sakaide LNG	Sakaide LNG	Yes		2010
	Senboku I	2	90 000	5	2.9	Osaka Gas	Osaka Gas	Yes		1972
	Senboku II	18	1 585 000	15	15.7	Osaka Gas	Osaka Gas	Yes		1977
	Shin-Minato	1	80 000	3	0.4	Gas Bureau, City of Sendai	Gas Bureau, City of Sendai	No		1997
	Sodegaura	35	2 660 000	37	41.5	Tokyo Gas / Tokyo Electric	Tokyo Gas / Tokyo Electric	Negotiated TPA	Truck loading	1973
	Sodeshi	3	337 200	8	3.9	Shimizu LNG (Shizuoka Gas 65%, TonenGeneral 35%)	Shimizu LNG	No	Truck loading	1996
	Tobata	8	480 000	9	10.3	Kita Kyushu LNG	Kita Kyushu LNG	Yes		1977
	Yanai	6	480 000	5	3.1	The Chugoku Electric	The Chugoku Electric	Yes		1990
	Yokkaichi LNG Centre	4	320 000	8	8.7	Chubu Electric	Chubu Electric	Yes		1987
	Yokkaichi Works	2	160 000	6	2.9	Toho Gas	Toho Gas	Negotiated TPA		1991
Malaysia	Melaka *(F)		260 000	3	5.2	Petronas	Petronas Gas	No		2013
Singapore	Jurong	3	540 000	5	7.8	SLNG	SLNG	Yes but sale of regasified LNG limited to licensed LNG importers	Cool-down Services, Storage & Reloading Services on short term (<1 year storage) basis	2013
South Korea	Gwangyang	4	530 000	2	2.3	Posco	Posco	No		2005
	Incheon	20	2 880 000	43	56.4	KOGAS	KOGAS	No		1996
	Pyeong-Taek	23	3 360 000	39	51.5	KOGAS	KOGAS	No		1986
	Samcheok	3	600 000	8	9	KOGAS	KOGAS	No		2014
	Tong-Yeong	17	2 620 000	20	33.7	KOGAS	KOGAS	No		2002
Taiwan	Taichung	3	480 000	8	6	CPC	CPC	No		2009
	Yung-An	6	690 000	18	12.8	CPC	CPC	No		1990
Thailand	Map Ta Phut	2	320 000	4	7.3	PTT	PTT LNG	No		2011
			36 226 216		**544.2**					
MIDDLE EAST										
Dubai	Jebel Ali *(F) - Golar Freeze		125 850		4.9	Owner: Golar / Charterer: Dubai Supply Authority	Golar	No		2010
Israel	Hadera *(F)		138 000	6	4.8	INGL	Excelerate Energy	No		2013
Kuwait	Mina Al Ahmadi *(F) - Golar Igloo		150 000		5.2	Owner: Golar / Charterer: KPC	Golar	No		2009
			433 850		**17.6**					

*(F) : Floating technology

Country	Site	Storage		Send-out		Owner	Operator	Third Party Access (TPA)	Services offered (Reloading, Transshipment, Bunkering, Truck loading)	Start-up date of the terminal
		Number of tanks	Total capacity in liq m³	Number of vaporizers	Nominal capacity in NG bcm/y					
EUROPE										
Belgium	Zeebrugge	4	380 000	12	9	Fluxys LNG	Fluxys LNG	Yes	Reloading, Bunkering, Truck loading	1987
France	Fos-Cavaou	3	330 000	4	8.3	Fosmax LNG (Elengy 72.50%, Total 27.50%)	Elengy	Yes	Reloading, Bunkering	2009 (commercial operation from April 2010)
	Fos-sur-Mer	3	150 000	12	5.5	Elengy	Elengy	Yes	Reloading, Bunkering, Truck loading	1972
	Montoir-de-Bretagne	3	360 000	11	10	Elengy	Elengy	Yes	Transshipment, Reloading, Bunkering, Truck loading	1980
Greece	Revithoussa	2	130 000	6	5	DESFA S.A.	DESFA S.A.	Yes		2000
Italy	Offshore Livorno *(F)	4	135 000	3	4.1	OLT (E.ON 48.20%, IREN Group 49.10%, other 2.70%)	ECOS (Exmar, Fratelli Cosulich)	Yes		2013
	Panigaglia	2	100 000	4	3.3	GNL Italia S.p.A.	GNL Italia S.p.A.	Yes		1971
	Rovigo (Gravity Based Structure)	2	250 000	5	8	Qatar Petroleum (22%), Edison (7.30%), ExxonMobil (70.70%)	Adriatic LNG (Qatar Petroleum, Edison, Exxon)	Yes (20%)		2009
Lithuania	Klaipeda *(F) - FSRU Independence		173 000	4	4	Owner: Höegh LNG/ Charterer: Klaipedos Nafta	Höegh LNG			2014
Netherlands	Rotterdam	3	540 000	8	12	Gasunie (47.50%), Vopak (47.50%), OMV (5%)	Gate Terminal	Yes		2011
Portugal	Sines	3	390 000	7	7.6	Ren Atlântico	Ren Atlântico	Yes	Reloading, Truck loading	2004
Spain	Barcelona	6	760 000	13	17.1	Enagas	Enagas	Yes	Truck loading	1969
	Bilbao	3	450 000	4	7	Enagas (50%) EVE (50%)	Bahia de Bizkaia Gas, SL (BBG)	Yes	Reloading, Truck loading	2003
	Cartagena	5	587 000	9	11.8	Enagas	Enagas	Yes	Transshipment, Reloading, Truck loading	1989
	Huelva	5	619 500	9	11.8	Enagas	Enagas	Yes	Reloading, Truck loading	1988
	Mugardos	2	300 000	3	3.6	Gadisa (20.30%), Forestal del Atlantico (16.20%), Sonatrach (10%), Gasifica S.A. (21%), Comunidad Autonoma de Galicia (17.50%), First State Regasificadora S.L.U. (15%)	Reganosa	Yes	Reloading, Bunkering, Truck loading	2007
	Sagunto	4	600 000	5	8.8	Union Fenosa Gas(42.50%), Oman Oil (7.50%), Osaka Gas (20%), Deutsche Asset & Wealth Management (30%)	Saggas	Yes	Reloading, Truck loading	2006
Turkey	Aliaga/Izmir	2	280 000	5	6	Egegaz	Egegaz	No	Truck loading	2006
	Marmara Ereglisi	3	255 000	7	6.2	Botas	Botas	No	Truck loading	1994
United-Kingdom	Dragon	2	320 000	6	7.6	BG Group (50%), Petronas (50%)	Dragon LNG	Yes (but no RTPA)		2009
	Isle of Grain	8	1 000 000	14	20.5	National Grid	Grain LNG	Yes (but no RTPA)	Truck loading from summer 2015, Cool-Down services	2005
	South Hook LNG	5	775 000	15	21.3	Qatar Petroleum International (67.50%), Exxon Mobil (24.15%), Total (8.35%)	South Hook LNG Terminal Company Ltd	Yes		2009
	Teesside *(F)		138 000		4.2	Excelerate Energy	Excelerate Energy			2007
			9 022 500		**202.7**					
	Total World		**52 993 966**		**1 014.1**					

*(F) : Floating technology

Sea transportation routes

	Loading point	Unloading point	Distance in nautical miles
Algeria	Bethioua	Aliaga	1 500
	Bethioua	Bahia	355
	Bethioua	Barcelona	343
	Bethioua	Caofeidian	9 536
	Bethioua	Cartagena	113
	Bethioua	Chita	8 502
	Bethioua	Dahej	4 775
	Bethioua	Dalian	9 413
	Bethioua	Fos Cavaou	528
	Bethioua	Fujian	8 476
	Bethioua	Futtsu	9 604
	Bethioua	Higashi-Ohgishima	9 605
	Bethioua	Huelva	373
	Bethioua	Incheon	9 241
	Bethioua	Isle of Grain	1 676
	Bethioua	Joetsu	9 720
	Bethioua	Melaka	1 559
	Bethioua	Oita	9 351
	Bethioua	Pyeong Taek	9 283
	Bethioua	Reganosa	945
	Bethioua	Revithoussa	1 050
	Bethioua	Sagunto	243
	Bethioua	Sakai	9 462
	Bethioua	Shanghai	8 983
	Bethioua	Sines	504
	Bethioua	Yung-An	8 328
	Skikda	Barcelona	349
	Skikda	Cartagena	388
	Skikda	Fos Cavaou	435
	Skikda	Fos-sur-Mer	400
	Skikda	Huelva	1 330
	Skikda	Panigaglia	456
	Skikda	Reganosa	1 266
	Skikda	Revithoussa	920
	Skikda	Sagunto	384
	Skikda	Sines	870
Angola	Soyo	Dapeng	8 866
	Soyo	Guanabara Bay	3 395
	Soyo	Ningbo	9 499
	Soyo	Senboku	10 002
	Soyo	Tong-Yeong	9 819
Australia	Darwin	Futtsu	3 036
	Darwin	Higashi-Ohgishima	3 056
	Darwin	Negishi	3 017
	Darwin	Ohgishima	3 036
	Darwin	Sodegaura	3 045
	NWS	Caofeidian	3 816

	Loading point	Unloading point	Distance in nautical miles
Australia	NWS	Chita	3 655
	NWS	Dapeng	2 745
	NWS	Futtsu	3 721
	NWS	Higashi-Ohgishima	3 738
	NWS	Himeji	3 629
	NWS	Incheon	3 650
	NWS	Jebel Ali	4 690
	NWS	Kagoshima	3 385
	NWS	Kawagoe	3 656
	NWS	Melaka	1 807
	NWS	Mizushima	3 579
	NWS	Negishi	3 719
	NWS	Niigata	4 048
	NWS	Ohgishima	3 734
	NWS	Oita	3 474
	NWS	Pyeong Taek	3 648
	NWS	Sakai	3 606
	NWS	Senboku	3 609
	NWS	Sodegaura	3 730
	NWS	Sodeshi	3 640
	NWS	Tobata	3 582
	NWS	Tong-Yeong	3 570
	NWS	Yanai	3 535
	NWS	Yokkaichi	3 656
	NWS	Yung-An	2 713
	Pluto	Himeji	3 673
	Pluto	Joetsu	3 962
	Pluto	Kawagoe	3 429
	Pluto	Niigata	4 071
	Pluto	Ohgishima	3 731
	Pluto	Oita	3 470
	Pluto	Pyeong Taek	3 681
	Pluto	Sakai	3 650
	Pluto	Sodegaura	3 775
	Pluto	Sodeshi	3 637
	Pluto	Tong-Yeong	3 602
Belgium	Zeebrugge	Bahia	4 529
	Zeebrugge	Bahia Blanca	6 615
	Zeebrugge	Barcelona	1 890
	Zeebrugge	Escobar	6 378
	Zeebrugge	Guanabara Bay	5 219
	Zeebrugge	Huelva	1 222
	Zeebrugge	Incheon	10 909
	Zeebrugge	Jebel Ali	6 217
	Zeebrugge	Jurong Island	8 342
	Zeebrugge	Niigata	11 335
	Zeebrugge	Panigaglia	2 214

	Loading point	Unloading point	Distance in nautical miles
Belgium	Zeebrugge	Senboku	11 054
	Zeebrugge	Sines	980
	Zeebrugge	Tong-Yeong	10 922
Brazil	Guanabara Bay	Escobar	1 200
	Guanabara Bay	Pecem	1 549
Brunei	Lumut	Futtsu	2 390
	Lumut	Himeji	2 999
	Lumut	Incheon	2 854
	Lumut	Melaka	5 561
	Lumut	Negishi	2 416
	Lumut	Niigata	2 525
	Lumut	Oita	2 880
	Lumut	Pyeong Taek	2 082
	Lumut	Sakai	2 201
	Lumut	Senboku	2 405
	Lumut	Shanghai	1 792
	Lumut	Sodegaura	2 430
	Lumut	Tobata	2 058
	Lumut	Tong-Yeong	2 014
	Lumut	Yung-An	1 186
Egypt	Idku	Fujian	7 188
	Idku	Melaka	5 125
	Idku	Ningbo	7 343
	Idku	Sodeshi	7 980
Equatorial Guinea	Bioko Island	Bahia	3 011
	Bioko Island	Caofeidian	10 771
	Bioko Island	Chita	10 789
	Bioko Island	Dahej	7 127
	Bioko Island	Dapeng	9 516
	Bioko Island	Guanabara Bay	3 476
	Bioko Island	Himeji	10 781
	Bioko Island	Incheon	10 651
	Bioko Island	Jurong Island	8 000
	Bioko Island	Kawagoe	10 791
	Bioko Island	Montoir de Bretagne	4 135
	Bioko Island	Ningbo	10 105
	Bioko Island	Ohgishima	10 897
	Bioko Island	Oita	10 616
	Bioko Island	Pyeong Taek	10 567
	Bioko Island	Quintero	6 786
	Bioko Island	Sodeshi	10 833
	Bioko Island	Tobata	10 591
	Bioko Island	Tong-Yeong	10578
	Bioko Island	Yung-An	9 657
	Bioko Island	Zhuhai	9 389
France	Fos Cavaou	Bahia	4 214
	Fos Cavaou	Gwangyang	9 135

	Loading point	Unloading point	Distance in nautical miles
France	Fos Cavaou	Pecem	3 725
	Fos Cavaou	Pyeong Taek	9 242
	Montoir de Bretagne	Altamira	4 969
	Montoir de Bretagne	Dahej	3 871
	Montoir de Bretagne	Melaka	819
	Montoir de Bretagne	Mizushima	10 680
Indonesia	Blang Lancang	Incheon	3 149
	Blang Lancang	Pyeong Taek	3 149
	Bontang	Chita	2 500
	Bontang	Dongguan	1 587
	Bontang	Gwangyang	2 331
	Bontang	Hatsukaichi	2 412
	Bontang	Himeji	2 400
	Bontang	Incheon	2 493
	Bontang	Joetsu	2 755
	Bontang	Jurong Island	1 189
	Bontang	Kagoshima	2 211
	Bontang	Kawagoe	2 510
	Bontang	Negishi	2 453
	Bontang	Ohgishima	2 560
	Bontang	Oita	2 413
	Bontang	Pyeong Taek	2 493
	Bontang	Sakai	2 385
	Bontang	Senboku	2 385
	Bontang	Tobata	2 370
	Bontang	Tong-Yeong	2 043
	Bontang	Yokkaichi	2 510
	Bontang	Yung-An	1 455
	Tangguh	Energia Costa Azul	6 951
	Tangguh	Fujian	2 227
	Tangguh	Futtsu	2 623
	Tangguh	Gwangyang	2 548
	Tangguh	Himeji	2 258
	Tangguh	Incheon	2 736
	Tangguh	Joetsu	2 965
	Tangguh	Joetsu	2 965
	Tangguh	Kawagoe	2 573
	Tangguh	Niigata	3 036
	Tangguh	Oita	2 458
	Tangguh	Pyeong Taek	2 734
	Tangguh	Sakai	2 535
	Tangguh	Tong-Yeong	2 257
	Tangguh	Yung-An	1 972
Malaysia	Bintulu	Chita	2 395
	Bintulu	Dahej	3 173
	Bintulu	Dongguan	1 243
	Bintulu	Fukuoka	2 160
	Bintulu	Futtsu	2 505
	Bintulu	Higashi-Ohgishima	2 492

	Loading point	Unloading point	Distance in nautical miles
Malaysia	Bintulu	Himeji	2 400
	Bintulu	Incheon	2 124
	Bintulu	Ishikari	2 900
	Bintulu	Jebel Ali	4 103
	Bintulu	Kawagoe	2 433
	Bintulu	Map Ta Phut	933
	Bintulu	Melaka	6 402
	Bintulu	Mina Al-Ahmadi	4 484
	Bintulu	Mizushima	2 335
	Bintulu	Nagasaki	2 151
	Bintulu	Negishi	2 513
	Bintulu	Niigata	2 511
	Bintulu	Ohgishima	2 481
	Bintulu	Oita	2 191
	Bintulu	Pyeong Taek	2 124
	Bintulu	Senboku	2 376
	Bintulu	Shanghai	1 942
	Bintulu	Shanghai	1 942
	Bintulu	Shanghai	1 942
	Bintulu	Shin-Minato	2 603
	Bintulu	Sodegaura	2 515
	Bintulu	Sodeshi	2 460
	Bintulu	Tobata	2 210
	Bintulu	Tong-Yeong	1 674
	Bintulu	Yung-An	1 350
	Bintulu	Zhuhai	1 145
Netherlands	Gate	Bilbao	817
	Gate	Escobar	6 375
	Gate	Futtsu	11 275
	Gate	Guanabara Bay	5 291
	Gate	Mina Al-Ahmadi	6 693
	Gate	Pecem	4 016
Nigeria	Bonny Island	Aliaga	5 042
	Bonny Island	Aliaga	5 042
	Bonny Island	Altamira	6 214
	Bonny Island	Bahia	3 815
	Bonny Island	Bahia Blanca	5 270
	Bonny Island	Barcelona	3 824
	Bonny Island	Bilbao	3 886
	Bonny Island	Caofeidian	10 802
	Bonny Island	Cartagena	3 574
	Bonny Island	Chita	10 602
	Bonny Island	Dabhol	7 120
	Bonny Island	Dahej	7 136
	Bonny Island	Dalian	10 682
	Bonny Island	Dapeng	9 328
	Bonny Island	Dragon	4 206
	Bonny Island	Escobar	4 995
	Bonny Island	Fos Cavaou	4 091

	Loading point	Unloading point	Distance in nautical miles
Nigeria	Bonny Island	Fujian	10 054
	Bonny Island	Futtsu	10 914
	Bonny Island	Guanabara Bay	3 422
	Bonny Island	Gwangyang	10 542
	Bonny Island	Hazira	7 053
	Bonny Island	Higashi-Ohgishima	10 972
	Bonny Island	Himeji	10 790
	Bonny Island	Huelva	3 359
	Bonny Island	Incheon	10 599
	Bonny Island	Jebel Ali	7 529
	Bonny Island	Joetsu	11 167
	Bonny Island	Joetsu	11 167
	Bonny Island	Kawagoe	10 817
	Bonny Island	Kochi	7 120
	Bonny Island	Manzanillo	10 055
	Bonny Island	Map Ta Phut	8 708
	Bonny Island	Melaka	7 920
	Bonny Island	Mina Al-Ahmadi	7 588
	Bonny Island	Mizushima	10 743
	Bonny Island	Montoir de Bretagne	4 067
	Bonny Island	Niigata	11 014
	Bonny Island	Oita	10 600
	Bonny Island	Pecem	2 811
	Bonny Island	Penuelas	4 503
	Bonny Island	Pyeong Taek	10 598
	Bonny Island	Reganosa	3 746
	Bonny Island	Sagunto	3 686
	Bonny Island	Sakai	10 767
	Bonny Island	Senboku	10 767
	Bonny Island	Shanghai	10 328
	Bonny Island	Sines	3 361
	Bonny Island	Sodeshi	10 893
	Bonny Island	Tianjin	10 824
	Bonny Island	Tobata	10 600
	Bonny Island	Tong-Yeong	10 354
	Bonny Island	Yanai	10 597
	Bonny Island	Yung-An	9 475
Norway	Hammerfest	Aliaga	4 287
	Hammerfest	Altamira	5 578
	Hammerfest	Bahia	5 687
	Hammerfest	Bahia Blanca	7 772
	Hammerfest	Barcelona	3 155
	Hammerfest	Bilbao	2 045
	Hammerfest	Cartagena	2 885
	Hammerfest	Cove Point	3 975
	Hammerfest	Dahej	7 665
	Hammerfest	Escobar	7 535
	Hammerfest	Fos Cavaou	3 349
	Hammerfest	Futtsu	10 966

Sea transportation routes (cont'd.)

	Loading point	Unloading point	Distance in nautical miles
Norway	Hammerfest	Gate	1 325
	Hammerfest	Guanabara Bay	6 404
	Hammerfest	Higashi-Ohgishima	12 529
	Hammerfest	Huelva	2 594
	Hammerfest	Klaipeda	1 701
	Hammerfest	Mejillones	10 754
	Hammerfest	Melaka	9 497
	Hammerfest	Montoir de Bretagne	1 958
	Hammerfest	Niigata	12 602
	Hammerfest	Pecem	5 145
	Hammerfest	Penuelas	4 556
	Hammerfest	Pyeong Taek	12 211
	Hammerfest	Reganosa	2 048
	Hammerfest	Revithoussa	4 132
	Hammerfest	Sagunto	3 065
	Hammerfest	Sines	2 398
	Hammerfest	Tianjin	12 401
	Hammerfest	Zhuhai	10 999
Oman	Qalhat	Chita	6 032
	Qalhat	Dapeng	4 558
	Qalhat	Futtsu	5 980
	Qalhat	Gwangyang	5 595
	Qalhat	Hazira	760
	Qalhat	Higashi-Ohgishima	6 000
	Qalhat	Himeji	5 849
	Qalhat	Incheon	5 750
	Qalhat	Map Ta Phut	3 845
	Qalhat	Mina Al-Ahmadi	740
	Qalhat	Mizushima	5 873
	Qalhat	Oita	5 673
	Qalhat	Pyeong Taek	5 695
	Qalhat	Sagunto	4 259
	Qalhat	Senboku	5 812
	Qalhat	Sodegaura	6 045
	Qalhat	Tong-Yeong	5 300
	Qalhat	Yanai	5 700
	Qalhat	Yung-An	4 719
	Qalhat	Zhuhai	4 477
Papua New Guinea	Port Moresby	Caofeidian	3 965
	Port Moresby	Chita	3 344
	Port Moresby	Futtsu	3 322
	Port Moresby	Higashi-Ohgishima	3 286
	Port Moresby	Himeji	3 379
	Port Moresby	Qingdao	3 782
	Port Moresby	Senboku	3 358
	Port Moresby	Sodegaura	3 331
	Port Moresby	Sodeshi	3 272

	Loading point	Unloading point	Distance in nautical miles
Papua New Guinea	Port Moresby	Yung-An	3 186
Peru	Pampa Melchorita	Barcelona	9 566
	Pampa Melchorita	Bilbao	9 639
	Pampa Melchorita	Cartagena	9 292
	Pampa Melchorita	Fos Cavaou	9 835
	Pampa Melchorita	Manzanillo	2 585
	Pampa Melchorita	Oita	8 940
	Pampa Melchorita	Reganosa	9 405
Portugal	Sines	Bahia	3 519
	Sines	Bahia Blanca	5 591
	Sines	Escobar	5 355
	Sines	Guanabara Bay	4 223
Qatar	Ras Laffan	Aliaga	3 722
	Ras Laffan	Altamira	9 783
	Ras Laffan	Andres	8 567
	Ras Laffan	Bahia	4 683
	Ras Laffan	Bahia Blanca	8 630
	Ras Laffan	Barcelona	4 710
	Ras Laffan	Caofeidian	6 436
	Ras Laffan	Cartagena	4 817
	Ras Laffan	Chita	6 446
	Ras Laffan	Dabhol	1 504
	Ras Laffan	Dahej	1 290
	Ras Laffan	Dalian	6 313
	Ras Laffan	Dapeng	5 098
	Ras Laffan	Dongguan	5 147
	Ras Laffan	Dragon	6 184
	Ras Laffan	Escobar	9 023
	Ras Laffan	Fos Cavaou	4 684
	Ras Laffan	Fujian	5 625
	Ras Laffan	Futtsu	6 570
	Ras Laffan	Gate	6 468
	Ras Laffan	Guanabara Bay	8 197
	Ras Laffan	Hainan	4 998
	Ras Laffan	Hazira	1 236
	Ras Laffan	Higashi-Ohgishima	6 590
	Ras Laffan	Himeji	6 350
	Ras Laffan	Huelva	5 144
	Ras Laffan	Incheon	6 156
	Ras Laffan	Isle of Grain	6 428
	Ras Laffan	Jebel Ali	200
	Ras Laffan	Joetsu	6 620
	Ras Laffan	Kawagoe	6 448
	Ras Laffan	Kochi	1 799
	Ras Laffan	Map Ta Phut	4 326
	Ras Laffan	Melaka	3 553
	Ras Laffan	Mina Al-Ahmadi	354

	Loading point	Unloading point	Distance in nautical miles
Qatar	Ras Laffan	Mizushima	6 428
	Ras Laffan	Negishi	6 550
	Ras Laffan	Niigata	6 640
	Ras Laffan	Ningbo	5 771
	Ras Laffan	Ohgishima	6 568
	Ras Laffan	Oita	6 250
	Ras Laffan	Pecem	8 621
	Ras Laffan	Pyeong Taek	6 156
	Ras Laffan	Quintero	10 188
	Ras Laffan	Reganosa	5 689
	Ras Laffan	Rovigo	4 405
	Ras Laffan	Sagunto	4 719
	Ras Laffan	Sakai	6 347
	Ras Laffan	Senboku	6 347
	Ras Laffan	Shanghai	5 901
	Ras Laffan	Sines	5 291
	Ras Laffan	Sodegaura	6 576
	Ras Laffan	South Hook	6 168
	Ras Laffan	Taichung	5 229
	Ras Laffan	Tobata	6 173
	Ras Laffan	Tong-Yeong	5 706
	Ras Laffan	Yanai	6 170
	Ras Laffan	Yokkaichi	6 448
	Ras Laffan	Yung-An	5 230
	Ras Laffan	Zeebrugge	6 277
	Ras Laffan	Zhuhai	5 054
Russia	Sakhalin II	Caofeidian	1 645
	Sakhalin II	Chita	1 084
	Sakhalin II	Futtsu	951
	Sakhalin II	Hatsukaichi	1 105
	Sakhalin II	Hibiki	1 105
	Sakhalin II	Higashi-Ohgishima	956
	Sakhalin II	Himeji	1 196
	Sakhalin II	Incheon	1 380
	Sakhalin II	Ishikari	229
	Sakhalin II	Joetsu	605
	Sakhalin II	Kawagoe	1 085
	Sakhalin II	Map Ta Phut	3 356
	Sakhalin II	Mizushima	1 233
	Sakhalin II	Negishi	950
	Sakhalin II	Niigata	581
	Sakhalin II	Ohgishima	964
	Sakhalin II	Oita	1 060
	Sakhalin II	Pyeong Taek	1 377
	Sakhalin II	Sakai	1 176
	Sakhalin II	Senboku	1 233
	Sakhalin II	Shanghai	1 444

	Loading point	Unloading point	Distance in nautical miles
Russia	Sakhalin II	Sodegaura	960
	Sakhalin II	Tobata	981
	Sakhalin II	Tong-Yeong	1 013
	Sakhalin II	Yanai	1 392
	Sakhalin II	Yung-An	1 967
South Korea	Gwangyang	Hazira	5 043
	Gwangyang	Senboku	437
	Gwangyang	Shanghai	453
Spain	Barcelona	Bahia	4 044
	Barcelona	Incheon	9 243
	Barcelona	Shanghai	8 865
	Cartagena	Aliaga	1 414
	Cartagena	Bahia Blanca	5 842
	Cartagena	Caofeidian	9 553
	Cartagena	Escobar	5 526
	Cartagena	Futtsu	9 671
	Cartagena	Guanabara Bay	4 474
	Cartagena	Incheon	9 350
	Cartagena	Joetsu	9 737
	Cartagena	Mina Al-Ahmadi	5 016
	Cartagena	Penuelas	3 669
	Cartagena	Pyeong Taek	9 350
	Cartagena	Revithoussa	1 283
	Huelva	Aliaga	1 758
	Huelva	Bahia Blanca	5 611
	Huelva	Chita	9 919
	Huelva	Dahej	5 127
	Huelva	Dapeng	8 598
	Huelva	Freeport	4 695
	Huelva	Incheon	9 693
	Huelva	Kawagoe	9 917
	Huelva	Manzanillo	11 351
	Huelva	Mina Al-Ahmadi	5 359
	Huelva	Niigata	10 119
	Huelva	Pecem	3 035
	Huelva	Shanghai	9 343
	Huelva	Tobata	9 659
	Reganosa	Bahia Blanca	5 933
	Reganosa	Dahej	5 661
	Reganosa	Hazira	5 649
	Reganosa	Jebel Ali	5 535
	Reganosa	Mina Al-Ahmadi	5 735
	Reganosa	Tong-Yeong	10 128
	Reganosa	Yung-An	9 287
	Sagunto	Aliaga	1 382
	Sagunto	Bahia	3 925
	Sagunto	Bahia Blanca	6 002
	Sagunto	Chita	9 543
	Sagunto	Escobar	5 765

	Loading point	Unloading point	Distance in nautical miles
Spain	Sagunto	Futtsu	9 638
	Sagunto	Guanabara Bay	4 633
	Sagunto	Incheon	9 318
	Sagunto	Melaka	6 639
	Sagunto	Negishi	9 645
	Sagunto	Oita	9 335
	Sagunto	Pecem	3 435
	Sagunto	Pyeong Taek	9 317
	Sagunto	Tong-Yeong	9 218
Trinidad & Tobago	Point Fortin	Aliaga	5 100
	Point Fortin	Altamira	2 220
	Point Fortin	Andres	683
	Point Fortin	Bahia	3 976
	Point Fortin	Bahia Blanca	4 628
	Point Fortin	Barcelona	3 975
	Point Fortin	Bilbao	3 669
	Point Fortin	Canaport	2 110
	Point Fortin	Cartagena	3 648
	Point Fortin	Chita	13 190
	Point Fortin	Cove Point	1 879
	Point Fortin	Dragon	4 360
	Point Fortin	Elba Island	1 690
	Point Fortin	Escobar	4 920
	Point Fortin	Everett	2 032
	Point Fortin	Freeport	2 272
	Point Fortin	Gate	4 061
	Point Fortin	Guanabara Bay	3 245
	Point Fortin	Hazira	8 428
	Point Fortin	Huelva	3 366
	Point Fortin	Incheon	9 706
	Point Fortin	Isle of Grain	3 974
	Point Fortin	Jurong Island	10 948
	Point Fortin	Manzanillo	10 299
	Point Fortin	Map Ta Phut	11 712
	Point Fortin	Mejillones	3 327
	Point Fortin	Mina Al-Ahmadi	8 673
	Point Fortin	Montoir de Bretagne	3 760
	Point Fortin	Ohgishima	13 928
	Point Fortin	Pecem	1 732
	Point Fortin	Penuelas	560
	Point Fortin	Qingdao	3 782
	Point Fortin	Quintero	6 999
	Point Fortin	Reganosa	3 452
	Point Fortin	Rovigo	5 180
	Point Fortin	Sabine Pass	2 247
	Point Fortin	Sagunto	3 858
	Point Fortin	Shanghai	3 858
	Point Fortin	Sines	3 315
	Point Fortin	Tong-Yeong	9 303

	Loading point	Unloading point	Distance in nautical miles
Trinidad & Tobago	Point Fortin	Yung-An	10 174
UAE	Das Island	Futtsu	6 290
	Das Island	Gwangyang	6 089
	Das Island	Hazira	1 188
	Das Island	Higashi-Ohgishima	6 310
	Das Island	Incheon	6 112
USA	Freeport	Bahia	4 646
	Kenai	Himeji	3 727
	Kenai	Sakai	3 696
Yemen	Balhaf	Chita	6 433
	Balhaf	Dahej	1 693
	Balhaf	Dapeng	5 108
	Balhaf	Everett	6 373
	Balhaf	Fujian	5 634
	Balhaf	Hazira	1 703
	Balhaf	Himeji	6 373
	Balhaf	Incheon	6 243
	Balhaf	Jebel Ali	1 520
	Balhaf	Joetsu	6 433
	Balhaf	Kawagoe	6 435
	Balhaf	Map Ta Phut	4 235
	Balhaf	Melaka	3 366
	Balhaf	Mina Al-Ahmadi	1 767
	Balhaf	Niigata	6 650
	Balhaf	Ningbo	5 584
	Balhaf	Pyeong Taek	6 240
	Balhaf	Sakai	6 350
	Balhaf	Senboku	6 353
	Balhaf	Shanghai	5 720
	Balhaf	Tianjin	6 270
	Balhaf	Tobata	6 183
	Balhaf	Tong-Yeong	3 170
	Balhaf	Yung-An	5 268

Source: GIIGNL, Clarkson Research 2015



Photo credits : Algirdas Kubaitis, Dunkerque LNG, Elengy, Fluxys, GDF SUEZ, Höegh LNG,
Ole-Gunnar Rasmussen, Petrobras, TEPCO, Woodside

75 Member Companies in 25 countries

GIIGNL (International Group of LNG Importers) is the worldwide association of LNG importers. Founded in 1971, at the outset of the LNG industry, its membership has grown to 75 companies worldwide, comprising nearly all companies active in LNG imports or in the operation of LNG terminals. It is a non profit organization and its resources only come from the membership fees. The association constitutes a forum for exchange of experience among its members, with a view to enhance safety, reliability and efficiency of LNG imports. GIIGNL members are coming from 25 countries located in the main three regions: Americas, 9 members, Asia, 35, Europe, 31.

Every year, GIIGNL conducts a wide survey amongst its members in order to publish this global statistical report, The LNG Industry.

4 companies joined the group in 2014: Höegh LNG, Hazira LNG, Pertamina PT (Persero) and Singapore LNG Corporation.

AMERICAS - 9 members

BG Group Plc.
Cheniere Energy, Inc.
Freeport LNG Development, L.P.
GDF SUEZ GAS NA
GNL Quintero S.A.
Repsol Energy Canada
Sempra LNG
Southern LNG Company, LLC
YPF S.A.

EUROPE - 31 members

BP Global LNG
Botas
Centrica LNG Company
DEPA
Dong Naturgas
Dunkerque LNG
Edison S.p.A.
Elengy S.A.
EDF Trading Limited
EDP Energias de Portugal, S.A.
Enagas
Enel Trade
Eni S.p.A.
E.ON Ruhrgas A.G.
Fluxys LNG S.A.
Gas Natural Fenosa
Gate Terminal B.V.
GDF SUEZ
GNL Italia
Höegh LNG
Iberdrola Generacion S.A.U.
National Grid Grain LNG, Ltd.
N.V. Nederlandse Gasunie
Polskie LNG S.A.
Ren Atlântico, S.A.
Shell Western LNG B.V.
Sonatrach Gas Marketing UK Limited
South Hook LNG Terminal Company, Ltd.
Statoil ASA
Total S.A.
Vopak LNG Holding B.V.

ASIA - 35 members

Chubu Electric Power Company, Inc.
CNOOC Gas & Power Group
CPC Corporation, Taiwan
Gail India Limited
Guangdong Dapeng LNG Company, Ltd.
Gujarat State Petroleum Corp. Ltd. (G.S.P.C.)
Hazira LNG
Hiroshima Gas Company, Ltd.
Hokkaido Gas Co
Inpex
Itochu Corporation
JX Nippon Oil & Energy Corp
Korea Gas Corporation
Kyushu Electric Power Company, Inc.
LNG Japan Corporation
Marubeni Corporation
Mitsubishi Corporation
Mitsui & Company, Ltd.
Nippon Gas Company, Ltd.
Osaka Gas Company, Ltd.
Pertamina PT (Persero)
Petronet LNG Limited
PTT Public Company, Ltd.
Saibu Gas Company, Ltd.
Shikoku Electric Power Company
Shizuoka Gas Company, Ltd.
Singapore LNG Corporation
SK E&S Company, Ltd.
Sumitomo Corporation
The Chugoku Electric Power Company, Inc.
The Kansai Electric Power Company, Inc.
The Tokyo Electric Power Company, Inc.
Toho Gas Company, Ltd.
Tohoku Electric Power Company, Inc.
Tokyo Gas Company, Ltd.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International Group of Liquefied Natural Gas Importers

Media/Industry Inquiries:
Vincent Demoury
+33 1 56 65 51 56
vincent.demoury@giignl.org

Groupe International des Importateurs de Gaz Naturel Liquéfié
(G.I.I.G.N.L.)

8, rue de l'Hôtel de Ville - 92200 Neuilly-sur-Seine - France
Tel: + 33 1 56 65 51 60
E-mail: central-office@giignl.org - web site: www.giignl.org