# 2Q09 Cleantech Investment Trends Member Webinar

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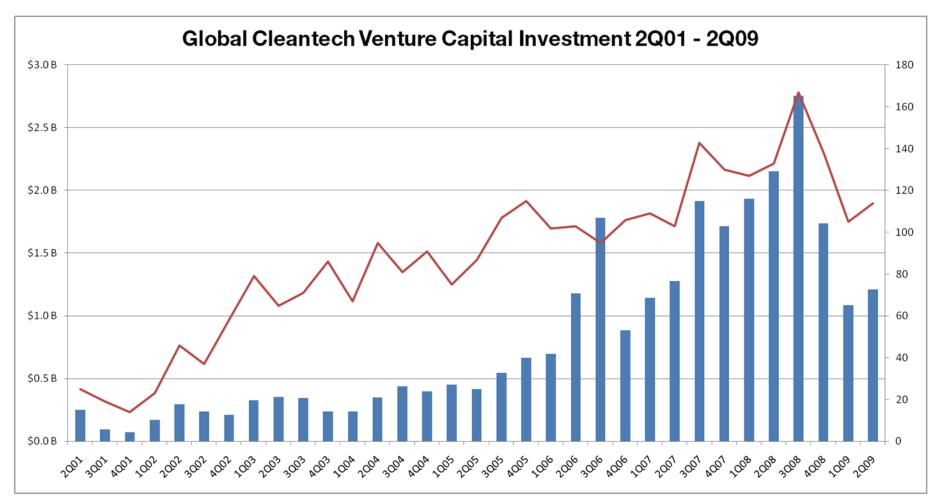


#### Key takeaways

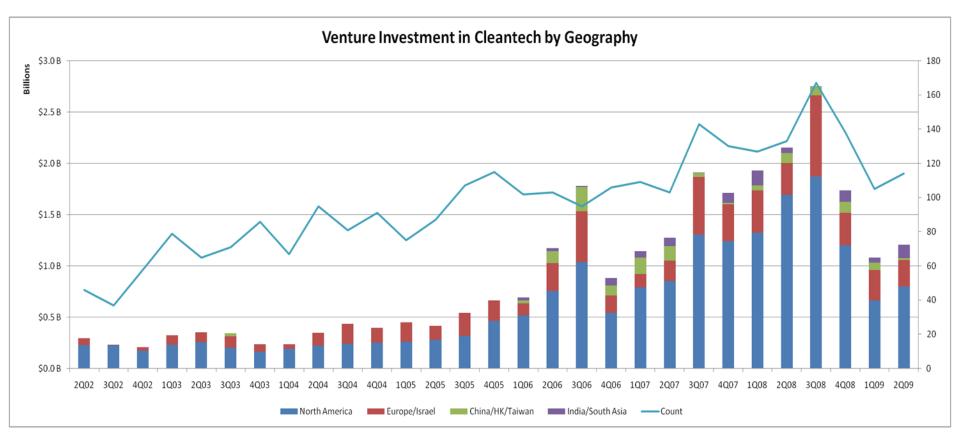
- Cleantech investment activity is rebounding after two sharp, consecutive quarterly declines
  - Venture investment up 12% sequentially
  - M&A activity rebounding
  - Anecdotally: solar tax equity coming back
- Transportation technologies (vehicles, advanced batteries) were the main focus of investors in 2Q09
  - Attention on automotive sector by governments, auto manufacturers, investors, entrepreneurs
- Solar has fallen from \$1.2 billion invested in 3Q08 to \$115 million 2Q09
  - Number of deals and average deal size has fallen
  - Big thin-film CIGS PV and CSP rounds fallen out of favor as investors look for more capitalefficient business models
- Starting to see the impact of government stimulus and loan guarantees
  - Solyndra, Tesla, many others
  - Numerous RFPs in progress: wind and solar projects, advanced batteries, geothermal, smart grid, etc.



#### Cleantech VC rebounding after consecutive declines

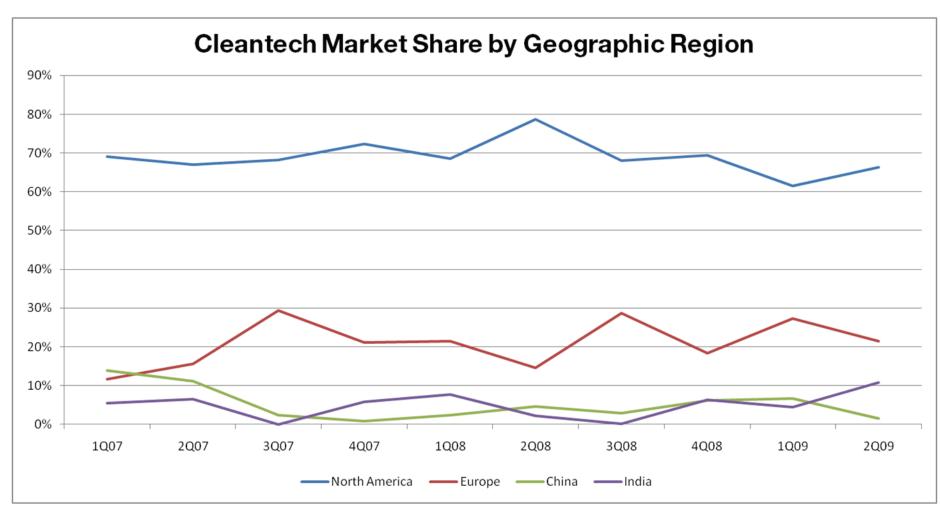


### By geography



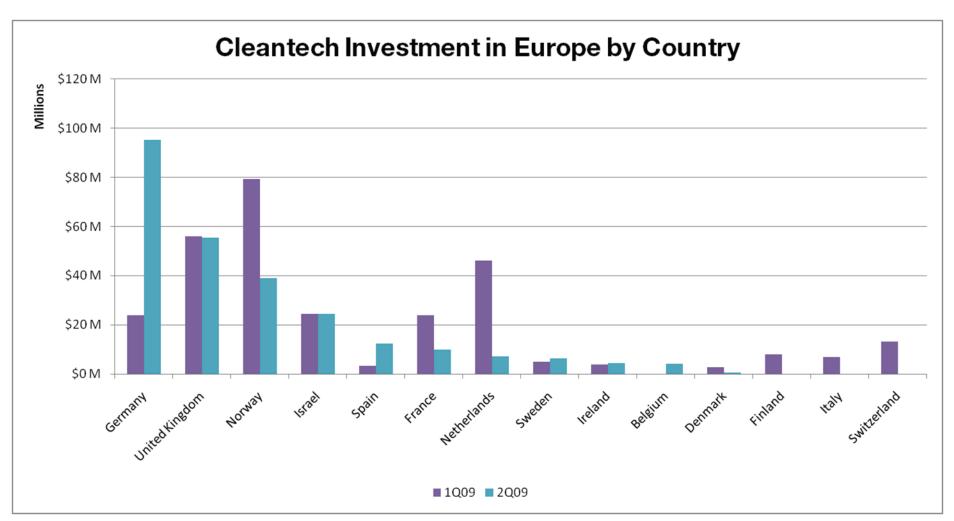


#### Long-term geographic market shares stable

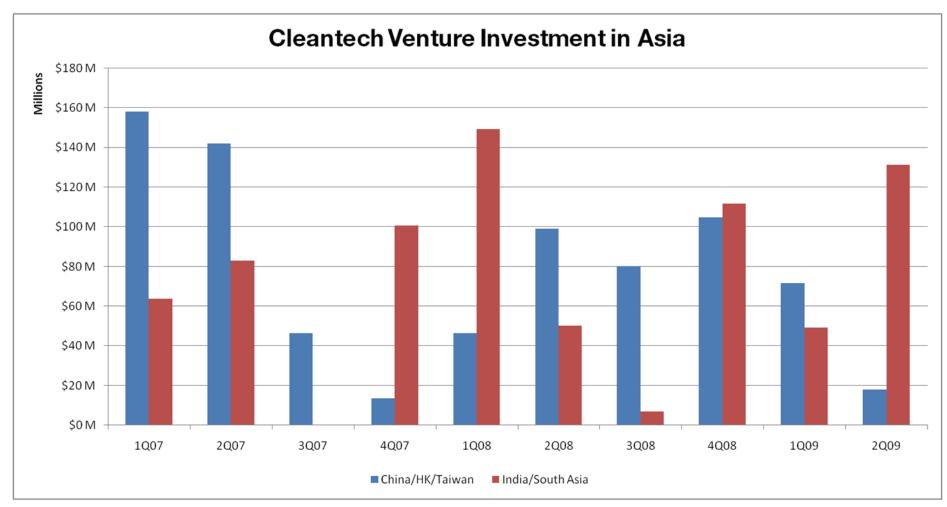




#### Europe league table

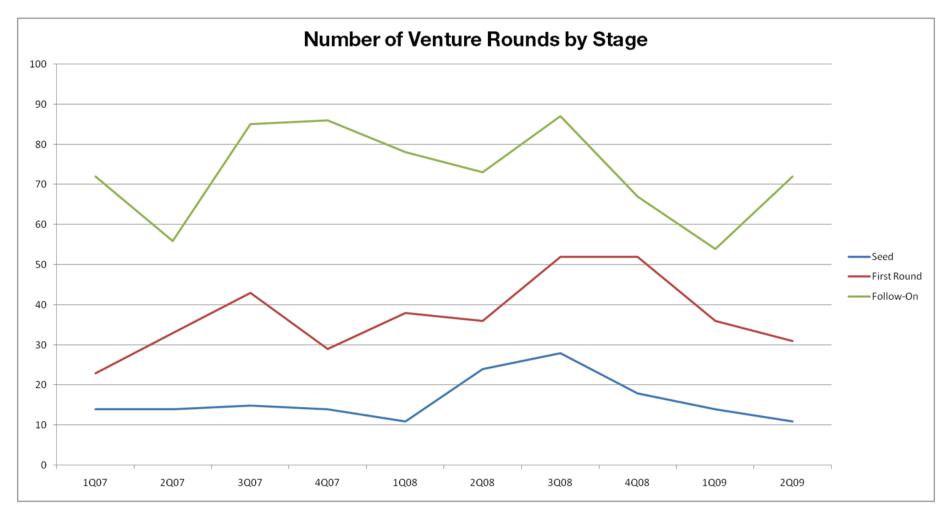


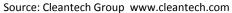
#### Investment in Chinese/Indian companies volatile





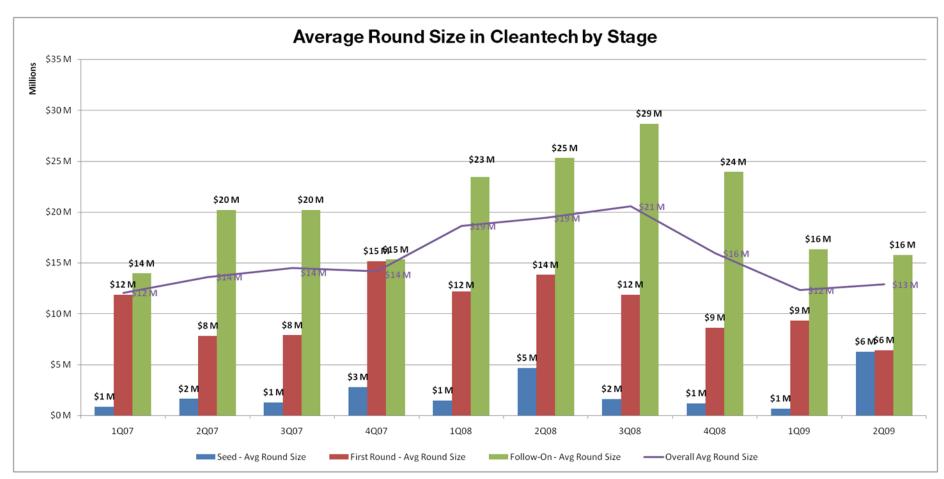
#### With a rebound in number of follow-on deals





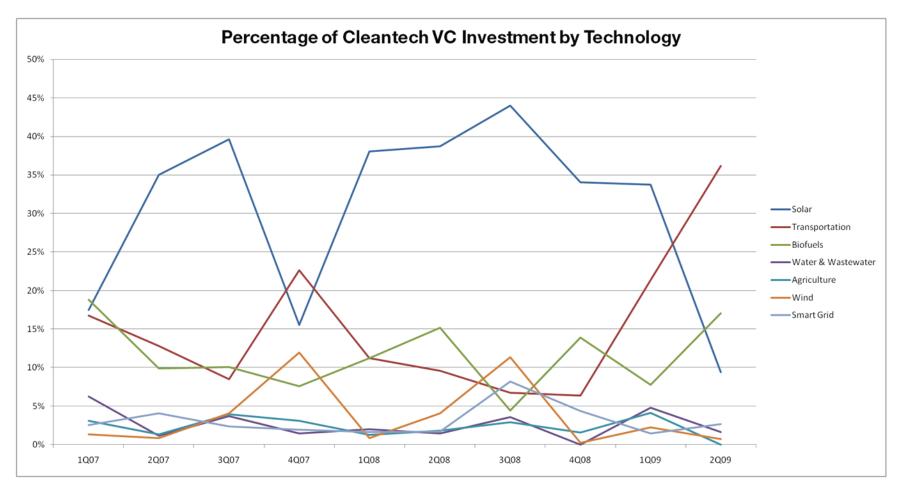


#### Round sizes resetting at lower levels



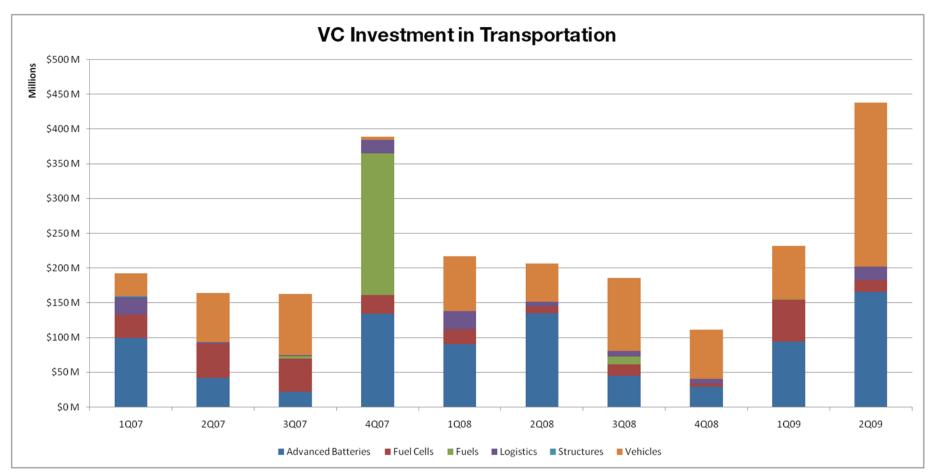


#### Transportation and biofuels up; solar down



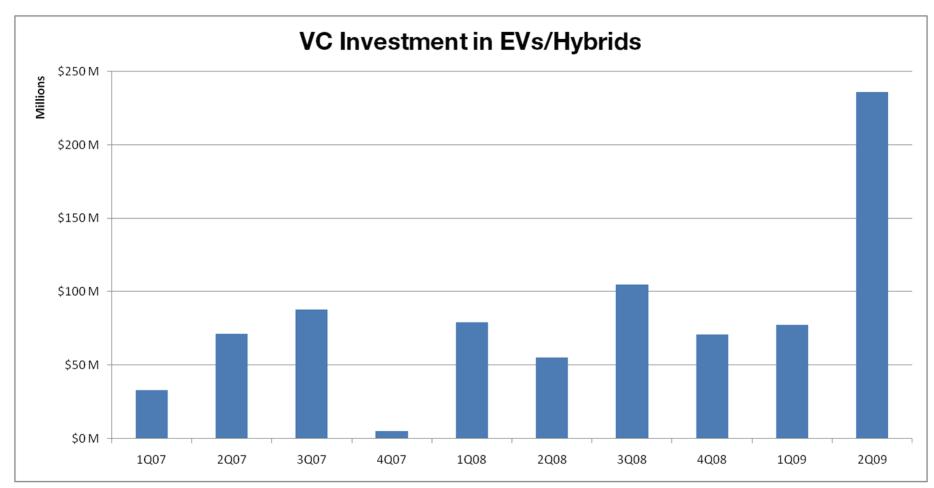


#### Transportation at all-time high





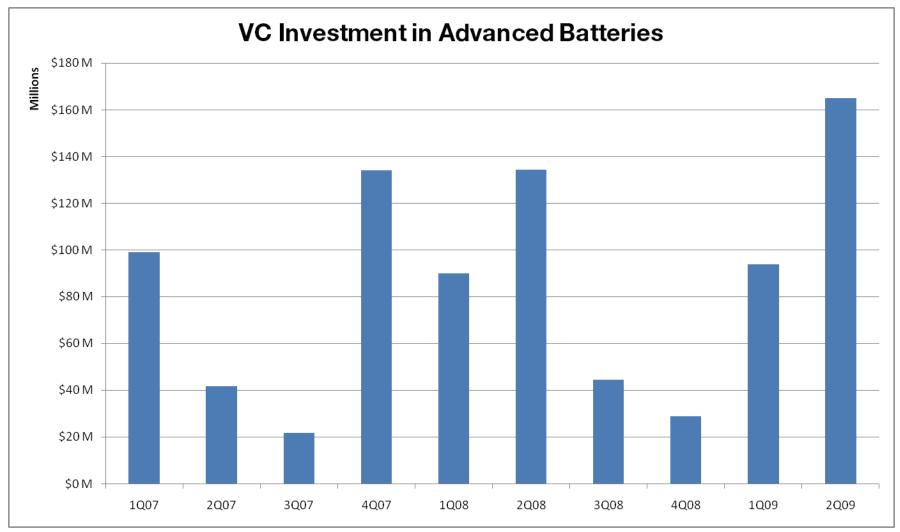
### Led by investment in vehicles



### Top Vehicle Rounds

Company	Amount	Stage	Investors
V-Vehicle	\$100,000,000	Follow-On	BP Capital LLC, Kleiner Perkins, Undisclosed Investors
FiskerAutomotive, Inc.	\$85,000,000	Follow-On	Eco-Drive Capital Partners, Kleiner Perkins
Think Global AS	\$39,000,000	Seed	Undisclosed
ETV Motors	\$12,000,000	First Round	21 Ventures, Quercus Trust

#### And investment in advanced batteries



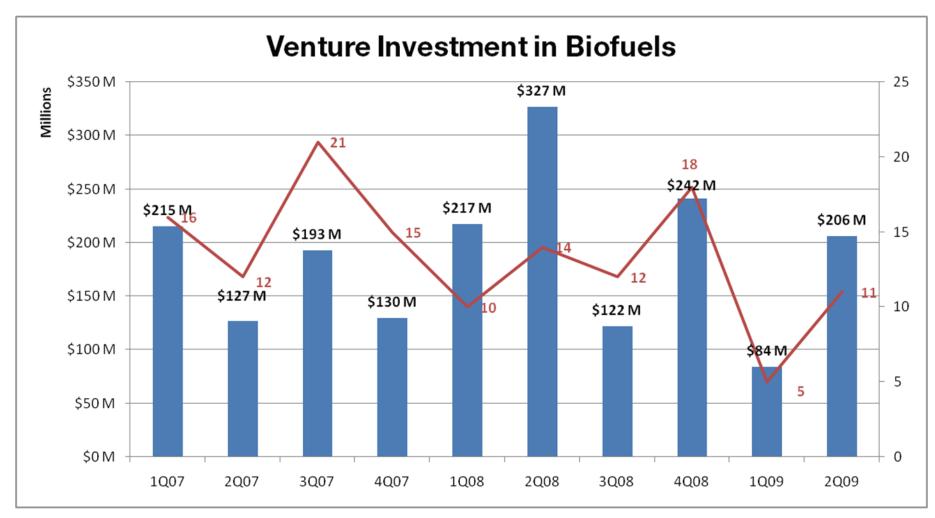


### Top Advanced Battery Rounds

Company	Amount	Stage	Investors
A123 Systems, Inc.	\$100,000,000	Follow-On	GE Energy Financial Services, GE Equity, Undisclosed Investors
Deeya Energy, Inc.	\$30,000,000	Follow-On	Blue Run Venture, DFJ, Element Partners, NEA, Technology Partners
Firefly Energy, Inc.	\$15,000,000	Follow-On	Undisclosed
Advanced Battery Technologies	\$10,000,000	Follow-On	Undisclosed
International Battery, Inc.	\$10,000,000	Follow-On	Digital Power Capital, Undisclosed Investors



#### Biofuels investment remains volatile

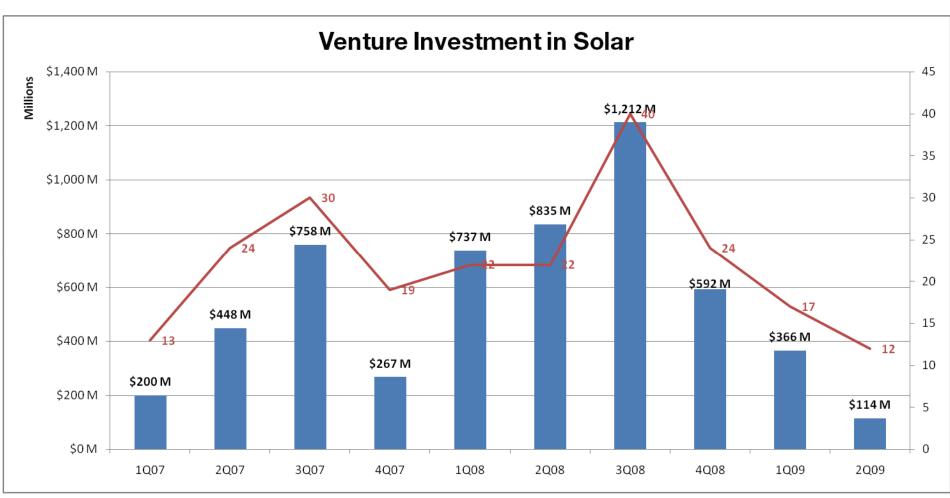


### Top Biofuels Rounds

Company	Amount	Stage	Investors
agri.capital	\$81,670,000	Follow-On	Altima Partners, Green Partners, Halcyon Asset Management, Ludgate Environmental, TCW Investment Corp. Braemar Energy Ventures, Harris & Harris Group, Lightspeed Venture
Solazyme, Inc.	\$57,000,000	Follow-On	Partners, Roda Group, VantagePoint Venture Partners, Undisclosed Investors
Shalivahana Projects Ltd	\$19,000,000	Follow-On	AXIS PE Ltd., Infrastructure Leasing & Financial Services Ltd
OPX Biotechnologies, Inc.	\$17,500,000	Follow-On	Altira Group, Braemar Energy Ventures, MDV
Cello Energy	\$12,500,000	First Round	Khosla Ventures
Shalivahana Projects Ltd	\$10,000,000	Follow-On	Kuwait Investment Company



#### Solar investment at lowest level in 3 years



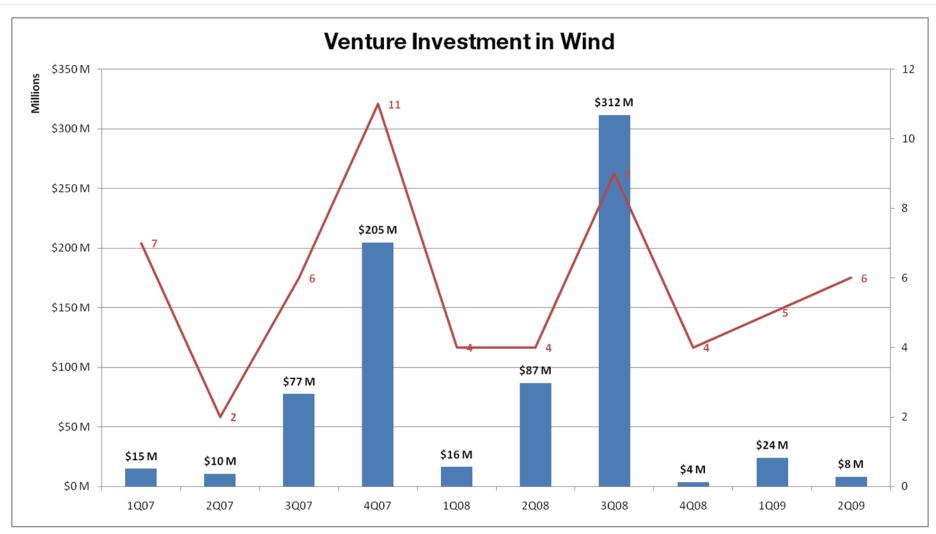


### Top 10 Solar Rounds

Company	Amount	Stage	Investors
Cobol Technologies	\$30,000,000	First Round	
Ausra, Inc.	\$25,500,000	Follow-On	Generation Investment Management, KERN Partners, Khosla Ventures, Kleiner Perkins, Starfish Ventures
Infinia Corp.	\$14,100,000	Follow-On	Undisclosed
Tigo Energy, Inc.	\$10,000,000	Follow-On	Israel Cleantech Ventures, Matrix Partners, OVP Venture Partners
Enecsys	\$9,730,000	Seed	BankInvest New Energy Solutions, Wellington Partners Venture Capital
Semprius	\$6,400,000	Follow-On	Applied Venture, ARCH Venture Partners, GVC Investment Fund, Illinois Ventures, In-Q-Tel, Intersouth Partners
Prism Solar Technologies, Inc.	\$5,000,000	Follow-On	Counter Point Ventures, I2BF Venture Capital, Merrimaker Corporation, Undisclosed Investors
NovoPolymers	\$4,000,000	First Round	. ,
QuantaSol, Ltd.	\$3,250,000	Follow-On	Imperial Innovations, Low Carbon Accelerator, NetScientific, Numis, Sheffield University Enterprise
B-Solar	\$3,000,000	First Round	Genesis Partners

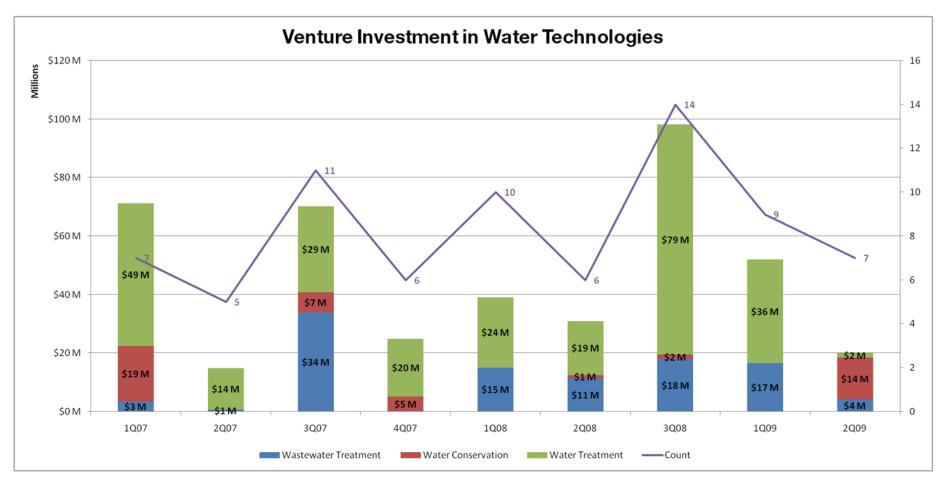


#### Wind investment at low since extraordinary 3Q08



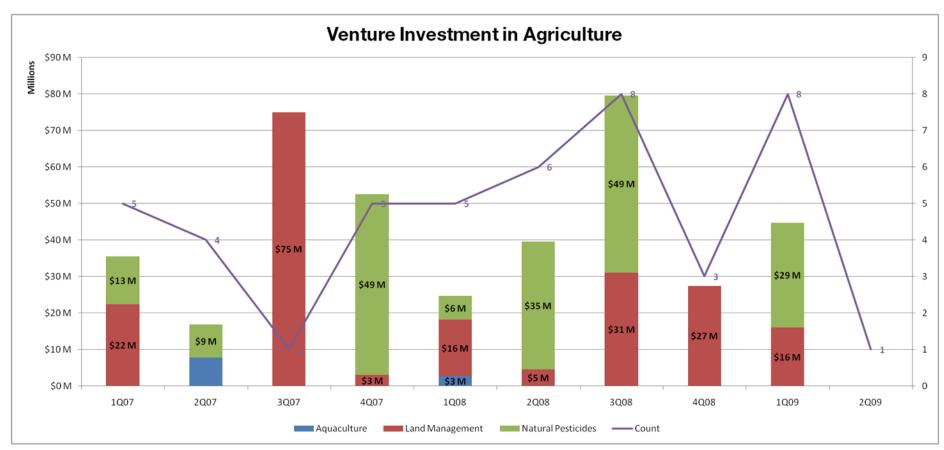


#### Water



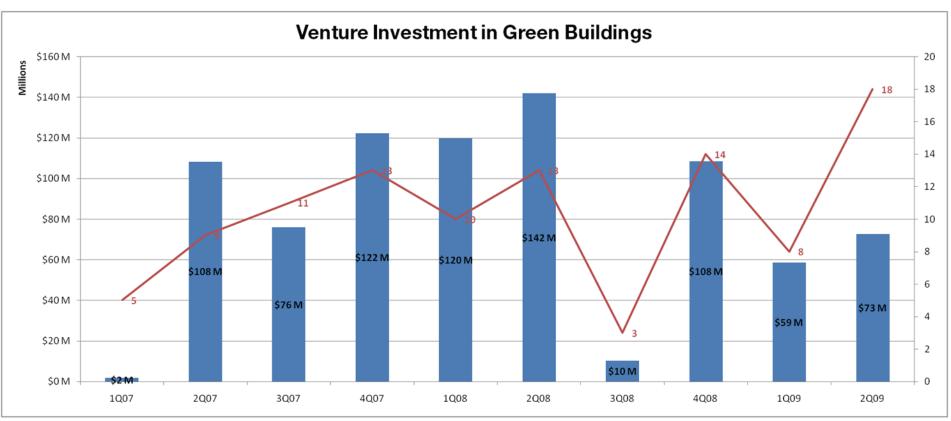


#### Agriculture

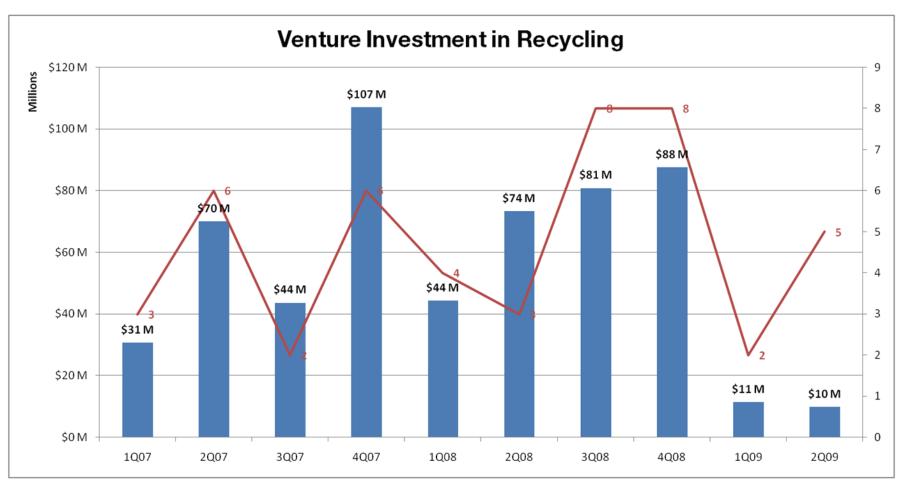




#### Green Buildings (buildings, glass, and lighting)

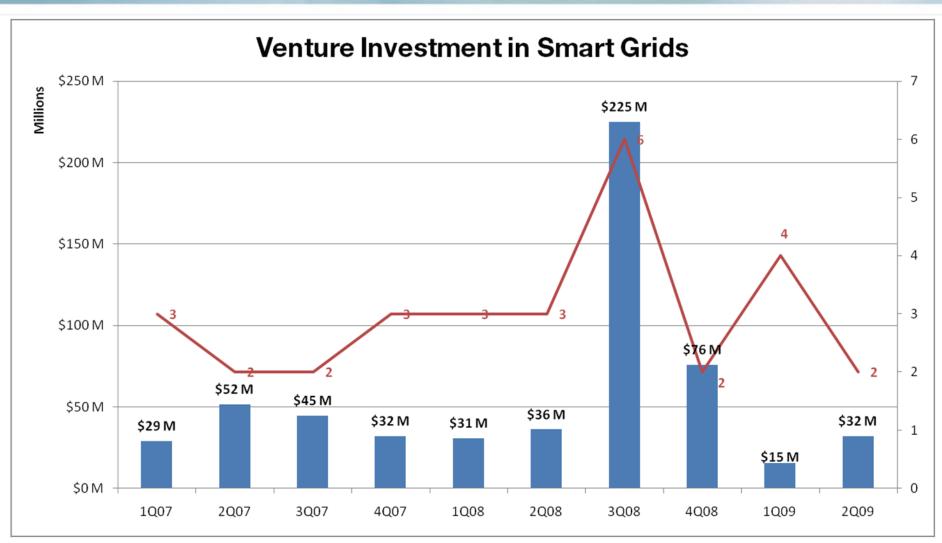


#### Recycling





#### Smart grid



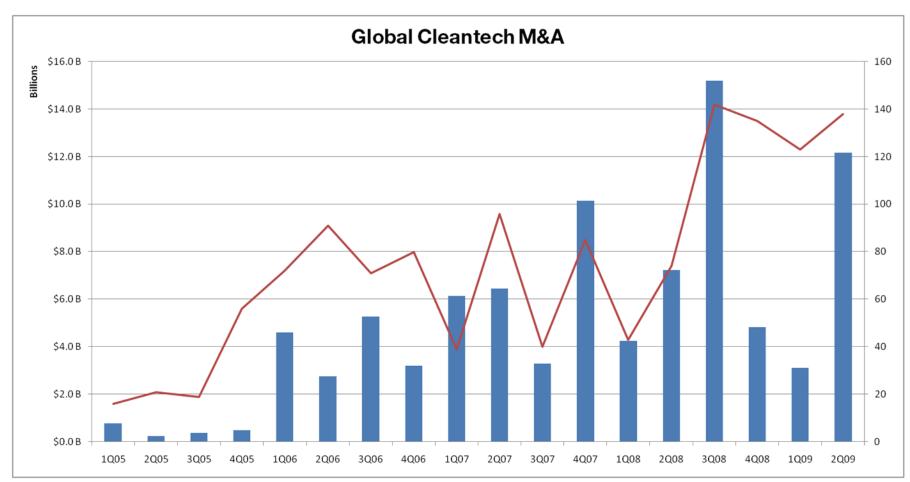
### 2Q09 Investor League Table

Investor	<b>Number of Investment</b>
Kleiner Perkins Caufield & Byers	5
Khosla Ventures	4
Braemar Energy Ventures	4
Robeco Alternative Investments	3
Draper Fisher Jurvetson	3
VantagePoint Venture Partners	3
Polaris Venture Partners	2
BASF Venture Capital GmbH	2
RRE Ventures	2
Amadeus Capital Partners	2
Low Carbon Accelerator	2
Element Partners	2
Chevron Technology Ventures	2
Expansion Capital Partners, LLC	2
Sustainable Technology Partners	2
GIMV NV	2
Altira Group LLC	2
Good Energies Inc.	2
NGEN Partners, LLC	2
Applied Ventures, LLC	2
Capricorn Venture Partners NV	2
Infrastructure Leasing & Financial Services Limited	
(IL&FS)	2
RockPort Capital Partners	2
In-Q-Tel	2
Scottish Enterprise	2
Intersouth Partners	2
DAG Ventures	2
Israel Cleantech Ventures	2
Wellington Partners Venture Capital	2
Virgin Green Fund	2



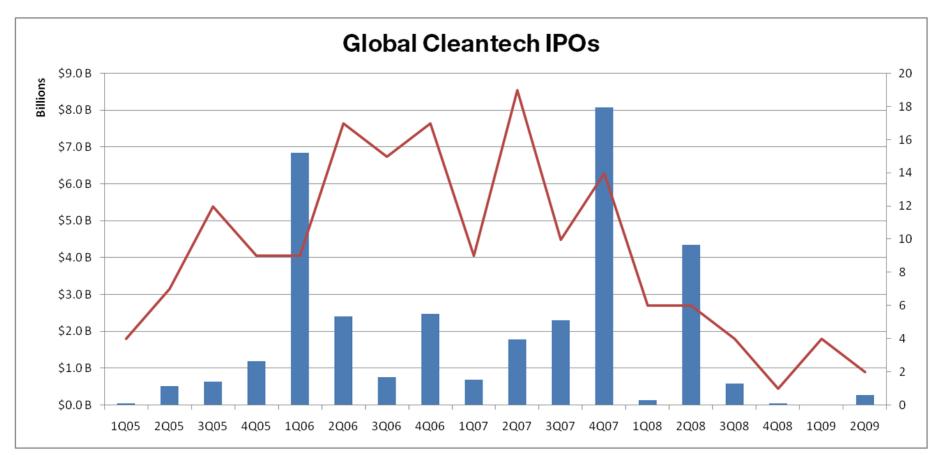


#### Cleantech M&A activity is rebounding





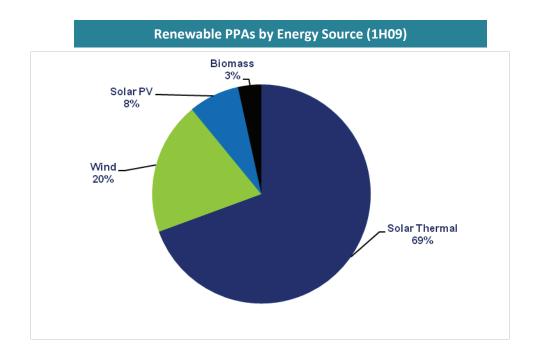
#### While IPOs remain dormant





#### Renewable Power Purchase Agreements

#### Solar thermal energy was the leading energy source procured through PPAs in 1H09

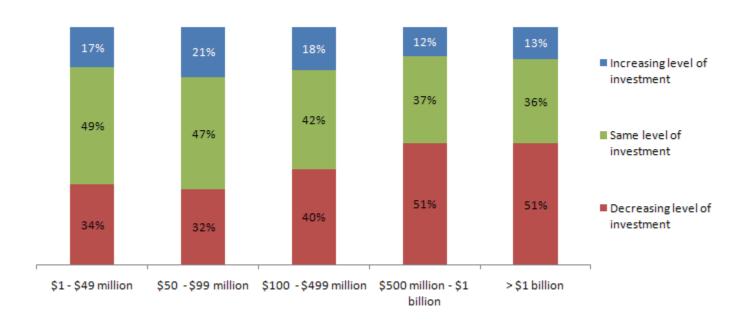


- Solar thermal, at 3.3 GW, constituted the largest energy source procured through PPAs during 1H09
- Solar thermal was followed by wind power (946 MW), solar PV (359 MW), and biomass (166 MW)
- Among the electric utilities assessed, Edison International and PG&E were the most active buyers of energy at 2.0 GW and 1.7GW, respectively

Source: Deloitte, Factiva news articles and company releases

#### VCs Adjust Investment Strategies in Response to Global Recession -Level of Investment in Terms of Capital

#### Impact of the global recession on investment strategies – level of investment in terms of capital (by assets under management)



- Significant percentage of VCs globally plan to decrease their level of investment overall
- Uncertainty of the capital markets and exits generally are causing a significant pull back in the VC community as it relates to new investments, reflecting a new conservatism in investment strategy

Source: Deloitte & NVCA - Global Trends in Venture Capital 2009 Global Report





## VCs Adjust Investment Strategies in Response to Global Recession – Level of Investment in Terms of Companies

#### Impact of the global recession on investment strategies – level of investment in terms of number of companies (by assets under management)



- VCs plan to invest in a lower number of companies overall. They plan to adequately fund the companies they do invest in but the decrease in investment will result in a lower number of companies receiving venture capital overall
- VCs are focusing on their existing portfolio and need to assure the existing portfolio that they
  can fund them to positive cash flow

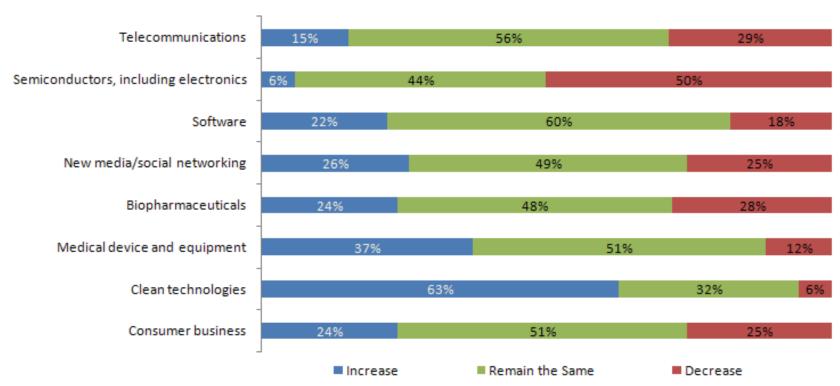
Source: Deloitte & NVCA - Global Trends in Venture Capital 2009 Global Report





#### Clean Technology Garners Most Interest – Some Sectors Wane

#### In terms of total capital invested, anticipated level of investment change in select sectors, over the next three years



- By sector, there is great interest in the cleantech space
- 95% of VCs surveyed globally anticipate investment in cleantech to increase or remain same
   Source: Deloitte & NVCA Global Trends in Venture Capital 2009 Global Report





#### Q&A



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2Q09 reviewed in depth in the 2Q09 Investment Monitor, released August 2009

Mark Your Calendars - Upcoming Cleantech Forums®: Cleantech Forum XXIII: Boston – September 8-10 2009 Cleantech Forum XXIV: Delhi, India – October 15-16, 2009 Cleantech Forum XXV: Beijing, China – December 1-2, 2009

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