Company	Brightree Pte Ltd
Digital Solution Name & Version Number ¹	Brightree Vessel Management Version 1.0 - Package (Basic)
Appointment Period	2 March 2020 to 1 March 2021
Extended Appointment Period ²	2 March 2021 to 1 March 2022

Standard Packaged Solution (ie. Minimum items to be purchased)

1) Software / Subscription fee / Technical Support Basic Vessel Management - Inclusive of the following features:	Cost Item	Unit Cost (S\$)	Unit	Quantity	Subtotal (S\$)	Qualifying Cost * (S\$)
Remote Terminal Unit on board vessel (Dandelion) 4G Router + GPS external antenna (4Faith F7826 GPS, LTE & Wifi Router or equivalent) 4G external antenna (NA-BC3G-03NJ LTE Omni-directional Antenna or equivalent) 3) Professional Services Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree 4) Training User Training in Singapore 5) Others	Basic Vessel Management - Inclusive of the following features: Real-time vessel tracking and monitoring with historical records Vessel deployment scheduling/crew assignment Document management inventory management on-board vessel/storage Communication platform between vessels and main office Integrate with other systems e.g. order booking and deployment management, accounting SMS alerts (limit to 300 SMS alerts per month) Up to 5 user account / Technical Support		per year	1		
Remote Terminal Unit on board vessel (Dandelion) 4G Router + GPS external antenna (4Faith F7826 GPS, LTE & Wifi Router or equivalent) 4G external antenna (NA-BC3G-03NJ LTE Omni-directional Antenna or equivalent) 3) Professional Services Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree 4) Training User Training in Singapore 5) Others	2) Hardware					
Router or equivalent) 4G external antenna (NA-BC3G-03NJ LTE Omni-directional Antenna or equivalent) 3) Professional Services Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree 4) Training User Training in Singapore To per device 1 per manday 1 per manday 1 per manday 1			per device	1		
4G external antenna (NA-BC3G-03NJ LTE Omni-directional Antenna or equivalent) 3) Professional Services Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree 4) Training User Training in Singapore 5) Others per device 1 per device 1 per device 1 per device 1 per manday 1 per manday 1 per manday 1			per device	1		
Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree 4) Training User Training in Singapore 5) Others per device per device per manday 1 per manday 1 per manday 1	4G external antenna (NA-BC3G-03NJ		per device	1		
User Training in Singapore per manday 1 5) Others	Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Site Survey in Singapore by Brightree		per device per manday	1		
	, ,		per manday	1		
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¹ A higher upgrade of the software version is acceptable, for example solution version 3.x allow anything from 3.0 to 3.99999

² As specified in the Letter of Appointment, IMDA may exercise the option to extend the Appointment Duration for an additional one-year ("Extended Appointment Period")

* Qualifying cost refers to the supportable cost to be co-funded under the grant

Company	Brightree Pte Ltd
Digital Solution Name & Version Number ¹	Brightree Vessel Management Version 1.0 - Package (Advanced)
Appointment Period	2 March 2020 to 1 March 2021
Extended Appointment Period ²	2 March 2021 to 1 March 2022

Standard Packaged Solution (ie. Minimum items to be purchased)

1) Software / Subscription fee Advanced Vessel Management - Inclusive of the following features: - Monitoring of fela consumption - GPS Tracking including speed, distance traveled and Geofencing - E-logging - Conditional Engine Monitoring including performance, vibration, sound and temperature - Maintenance record management - SMS alerts (mint 500 SMS alerts per month) - Up to 5 user account / Technical Support - Technical Support (email, phone). Mon-Fir, 9am-6pm. 2) Hardware - Remote Terminal Unit on board vessel (Dandelion) - 4G Router + GPS external antenna (AFath F7826 GPS, LTE & Wffi Router or equivalent) - 4G external antenna (AFath F7826 GPS, LTE & Wffi Router or equivalent) - 4G external antenna (AFath F7826 GPS, LTE & Wffi Router or equivalent) - 5 vibration sensors and 1 controller (per main engine and generator) - Corrolis mass flow meter (12" line size (main engine, flange mount) - Transmitter for Coriolis mass flow meter (11" unit of 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators Typical miss flow meter (22" line size (main engine, flange mount) - Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair Whost harbour crafts have 2 main engine and would require 2x 1/2" mfm, - 2x 1/4" mfm and 4x transmitters Typical miss flow meter setup with common 1/2" and 1/4" line size for supply line and return of main engine. Other sizes pending site survey. - Professional Services - Software Installation — Laptor Ver 1.0 - Software Installation — Android Ver 1.0 - Software Installation — Android Ver 1.0 - Software Installation — Software Software installation — Android Ver 1.0 - Software Installation — Android Ver 1.0 - Software Installation — Software Software Software Installation — Software Installation — Laptor Ver 1.0 - Software Installation — Android Ver 1.0 - Software Installation — Android Ver 1.0 - Software Installation — Software Software Installation — Laptor Ver 1.0 - Software Installation — Android Ver		Cost Item	Unit Cost (S\$)	Unit	Quantity	Subtotal (S\$)	Qualifying (S\$	
Remote Terminal Unit on board vessel (Dandelion) 4G Router + GPS external antenna (4Faith F7826 GPS, LTE & Wifi Router or equivalent) 4G external antenna (NA-BC3G-O3NJ LTE Omn-idrectional Antenna or equivalent) 3 vibration sensors and 1 controller (per main engine and generator) Coriolis mass flow meter 1/2" line size (main engine, flange mount) Coriolis mass flow meter 1/4" line size (main engine, flange mount) Transmitter for Coriolis mass flow meter (1 unit for 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair Most harbour crafts have 2 main engine and would require 2x 1/2" mfm, 2x 1/4" mfm and 4x transmitters Typical mass flow meter setup with common 1/2" and 1/4" line size for supply line and return of main engine. Other sizes pending site survey. 3P Professional Services Software Installation – Laptop Ver 1.0 Software Installation – Andriod Ver 1.0 Software Installation – Andriod Ver 1.0 Software Installation – Andriod Ver 1.0 Software Installation – Singapore by Brightree Commissioning in Singapore by How meter maker Site Survey in Singapore by 10w meter maker Site Survey in Singapore by 10w meter maker Site Survey in Singapore by vibration sensor maker 4) Training User Training in Singapore User Training in Singapore Others Not Applicable		Advanced Vessel Management - Inclusive of the following features: • Monitoring of fuel consumption • GPS Tracking including speed, distance traveled and Geofencing • E-logging • Conditional Engine Monitoring including performance, vibration, sound and temperature • Maintenance record management • SMS alerts (limit to 300 SMS alerts per month) • Up to 5 user account / Technical Support • Technical Support (email, phone). Mon-Fri. 9am~6pm.		per year	1			
Router or equivalent) 4G external antenna (NA-BC3G-03NJ LTE Comi-directional Antenna or equivalent) 3 vibration sensors and 1 controller (per main engine and generator) Coriolis mass flow meter 1/4" line size (main engine, flange mount) Coriolis mass flow meter 1/4" line size (main engine, flange mount) Transmitter for Coriolis mass flow meter (1 unit for 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair Most harbour crafts have 2 main engine and would require 2x 1/2" mfm, 2x 1/4" mfm and 4x transmitters Typical mass flow meter setup with common 1/2" and 1/4" line size for supply line and return of main engine. Other sizes pending site survey. 3) Professional Services Software Installation – Andriod Ver 1.0 Software Installation – Andriod Ver 1.0 Software installation – Andriod Ver 1.0 Software in Singapore by Brightree Commissioning in Singapore by flow meter maker Commissioning in Singapore by flow meter maker Site Survey in Singapore by flow meter maker Commissioning in Singapore by vibration sensor maker 4) Training User Training in Singapore Others Not Applicable	2)			per device	1			
LTE Ornii-directional Antenna or equivalent) 3 vibration sensors and 1 controller (per main engine and generator) Coriolis mass flow meter 1/2* line size (main engine, flange mount) Coriolis mass flow meter 1/4* line size (main engine, flange mount) Transmitter for Coriolis mass flow meter (1 unit for 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair Most harbour crafts have 2 main engine and would require 2x 1/2* mfm, 2x 1/4* mfm and 4x transmitters Typical mass flow meter setup with common 1/2* and 1/4* line size for supply line and return of main engine. Other sizes pending site survey. 3) Professional Services Software Installation – Laptop Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by Brightree Site Survey in Singapore by flow meter maker Commissioning in Singapore by thow meter maker Commissioning in Singapore by vibration sensor maker Quite Training User Training in Singapore				per device	1			
3 vibration sensors and 1 controller (per main engine and generator) Coriolis mass flow meter 1/2" line size (main engine, flange mount) Coriolis mass flow meter 1/4" line size (main engine, flange mount) Transmitter for Coriolis mass flow meter (1 unit for 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair Most harbour crafts have 2 main engine and would require 2x 1/2" mfm, 2x 1/4" mfm and 4x transmitters Typical mass flow meter setup with common 1/2" and 1/4" line size for supply line and return of main engine. Other sizes pending site survey. 3) Professional Services Software Installation — Laptop Ver 1.0 Software Installation — Andriod Ver 1.0 Site Survey in Singapore by Brightree Commissioning in Singapore by flow meter maker Site Survey in Singapore by flow meter maker Commissioning in Singapore by flow meter maker Site Survey in Singapore by vibration sensor maker Commissioning in Singapore by vibration sensor maker User Training User Training in Singapore Not Applicable				per device	1			
Coriolis mass flow meter 1/4" line size (main engine, flange mount) Transmitter for Coriolis mass flow meter (1 unit for 1 unit of flow meters) Note: - Most harbour crafts have 2 main engines and 2 generators. - Typical vibration sensor setup with 3 sensors and 1 controller on 1 main engine and 1 generator pair. - Most harbour crafts have 2 main engine and would require 2x 1/2" mfm, 2x 1/4" mfm and 4x transmitters. - Typical mass flow meter setup with common 1/2" and 1/4" line size for supply line and return of main engine. Other sizes pending site survey. 3) Professional Services Software Installation — Laptop Ver 1.0 Software Installation — Andriod Ver 1.0 Software Installation — Andriod Ver 1.0 Software yin Singapore by Brightree Commissioning in Singapore by Brightree Site Survey in Singapore by Brightree Commissioning in Singapore by flow meter maker Commissioning in Singapore by flow meter maker Site Survey in Singapore by vibration sensor maker Ocommissioning in Singapore by vibration sensor maker Training User Training in Singapore Not Applicable				per bundle				
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