

Company	Brightree Pte Ltd
Digital Solution Name & Version Number¹	Brightree Vessel Management Version 1.0 - Package (Basic)
Appointment Period	2 March 2020 to 1 March 2021
Extended Appointment Period²	2 March 2021 to 1 March 2022

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

Cost Item	Unit Cost (\$)	Unit	Quantity	Subtotal (\$)	Qualifying Cost * (\$)
1) Software / Subscription fee / Technical Support 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 • Technical Support (email, phone). Mon-Fri. 9am~6pm.		per year	1		
2) Hardware Remote Terminal Unit on board vessel (Dandelion)		per device	1		
4G Router + GPS external antenna (4Faith F7826 GPS, LTE & Wifi Router or equivalent)		per device	1		
4G external antenna (NA-BC3G-03NJ)		per device	1		
LTE Omni-directional Antenna or equivalent)					
3) Professional Services Software Installation – Laptop Ver 1.0		per device	1		
Software Installation – Andriod Ver 1.0		per device	1		
Site Survey in Singapore by Brightree		per manday	1		
Commissioning in Singapore by Brightree		per manday	1		
4) Training User Training in Singapore		per manday	1		
5) Others Not Applicable					
Total				\$ 10,225.00	\$ 8,425.00

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 Number¹	Brightree Vessel Management Version 1.0 - Package (Advanced)
Appointment Period	2 March 2020 to 1 March 2021
Extended Appointment Period²	2 March 2021 to 1 March 2022

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

Cost Item	Unit Cost (\$)	Unit	Quantity	Subtotal (\$)	Qualifying Cost * (\$)
1) Software / Subscription fee 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		
2) Hardware 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 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)		per device per device per device per bundle per unit per unit per unit	1 1 1 1 2 2 4		
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 Brightree 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		per device per device per manday per manday per manday per manday per manday per manday	1 1 1 1 1 1 1 1		
4) Training User Training in Singapore		per manday	1		
5) Others Not Applicable					
Total				\$ 57,025.00	\$ 49,445.00

¹ A higher upgrade of the software version is acceptable, for example solution version 3.x allow anything from 3.0 to 3.99999² 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