



## About the vessel

The MMA Plover and its sister vessel MMA Brewster were both purpose built to be the production support vessels for the Ichthys LNG Project in Australia. Located approximately 220 kilometres offshore Western Australia, Ichthys represents the largest discovery of hydrocarbon liquids in Australia in 40 years.

The Plover is a truly bespoke PSV design. Constructed as per IBC-2 regulation it has unrivalled chemical carrying capacity in the PSV market.

## MMA Plover

### Platform Supply Vessel



## Contact Cyan Renewables

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General		Dimensions	
Official No	861254	LOA	81.7 m
Call Sign	VJN4781	Breadth - moulded	18 m
IMO No	9737199	Depth - moulded	8.4 m
Year Built	2015	Draft	6.86 (IBC), 7.154 (SF)
Port of Registry	Darwin	GRT	3,804 T
Flag	Australian	NRT	1,419 T
Class	DNV	Deadweight	4,215 T
Notation	✱1A1 Fire fighter (I), Standby vessel, BIS, Clean (Design), COMF(C-3, V-3), DK(+), DYNPOS(AUTR), EO HL(2.8), LFL(*), NAUT(OSV(A)), SF	Free Deck Area	810 m <sup>2</sup>
		Deck Strength	10 m <sup>2</sup>

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A Perfect Day Every Day



# MMA Plover

## Platform Supply Vessel



### Performance

BHP	BHP	8,428.32
Speed - Maximum	Knots	14
Speed - Economical	Knots	10

### Tank Capacity

Fuel Oil	m <sup>3</sup>	1,376
Fresh Water	m <sup>3</sup>	842
Sewage	m <sup>3</sup>	36
Foam	m <sup>3</sup>	2.7
Ballast Water	m <sup>3</sup>	1,642
Liquid Mud	m <sup>3</sup>	670
Cement	m <sup>3</sup>	243
Dispersant	m <sup>3</sup>	4.9
Dry Bulk	m <sup>3</sup>	see cement/barite/gel
Methanol	m <sup>3</sup>	226
Glycol	m <sup>3</sup>	431 (MEG) + 46 (TEG)
Brine	m <sup>3</sup>	928
Drill Water	m <sup>3</sup>	1,342 (BW)
Base Oil	m <sup>3</sup>	445
Roll Reduction Tank	m <sup>3</sup>	424
NaOH	m <sup>3</sup>	202
HCl	m <sup>3</sup>	103
H2S Scavenger (EC9356A)	m <sup>3</sup>	50
Barites	m <sup>3</sup>	60
Bentonites	m <sup>3</sup>	60
Cement	m <sup>3</sup>	120
Special Product (LFL * tanks)	m <sup>3</sup>	225

### Discharge Rates

Fuel Oil	2 x 200 m <sup>3</sup> /h @ 60m head
Fresh Water	2 x 200 m <sup>3</sup> /h @ 60m head
Ballast / Drill Water	2 x 200 m <sup>3</sup> /h @ 60m head
Dry Bulk	2 x 70 m <sup>3</sup> /h @ 5.6 bar
Liquid Mud/Brine	2 x 75 m <sup>3</sup> /h @ 60m head
Glycol	3 x 75 m <sup>3</sup> /h @ 60m head
Base Oil	1 x 75 m <sup>3</sup> /h @ 60m head
Methanol	4 x 75 m <sup>3</sup> /h @ 60m head
NaOH	2 x 75m <sup>3</sup> /hr @ 60m head
HCl	2 x 75m <sup>3</sup> /hr @ 60m head
H2S Scavenger (EC9356A)	2 x 75m <sup>3</sup> /hr @ 60m head
Barites	2 x 60t/h @ 60m head
Bentonites	2 x 60t/h @ 60m head
Cement	2 x 60t/h @ 60m head
Special Product (LFL * tanks)	75 m <sup>3</sup> /h @ 60m head

### Machinery / Propulsion

Main Engine	3 x 2,095 kW, CAT 3516C (diesel electric)
Bow Thruster	3 x 945 kW Brunvoll
Stern Thruster	NA
Generator	1 x 138 kW Caterpillar C6, 60 Hz
Emergency Generator	1 x 465 kW
Propulsion	2 x Rolls Royce azipull
Nitrogen Generator	NA

### Deck Equipment

Crane	TTS Marine 1 x 10 tonne Knuckle Boom & 1 x 2 tonne Straight Boom
Capstan	NA
Tugger Winch	2 x 15 tonne NDM single drum
Wire Capacity	19 mm x 250 m
Brake Holding	30 T

### Rescue & Fire Fighting

FRC Type	15 person ALUSAFE 700
Dacon Scoop	13.5 x 14
FiFi Class	1
Fire Monitor	2
Total Capacity	1,200 m <sup>3</sup> /hr
Fire Pump	1
Total Capacity	3,500 m <sup>3</sup> /hr

### Dynamic Positioning

DP	Kongsberg K-Pos DP-21
DGPS - Quantity	2
DGPS - Signals	Spotbeam
HIPAP - Type	1 x HIPAP 351
Laser - Type	1 x CyScan Mk4
Joystick - Type	Kongsberg cJoy
Fanbeam - Quantity	1 x RADIUS 1000

### Accommodation

Cabin (2 Berth)	Qty 6
Cabin (Single Berth)	15
Total Accommodation	27 pax

### Communication Equipment

Navtex Receiver - Quantity	Qty 1
AIS	1
Watch Alarm	1
SSB	1
Intercom	1
Inmarsat-C	2
EPIRB	2
GMDSS VHF Radio (MF/HF)	3 x VHF, 1 x MF/HF
GMDSS Handheld VHF	3
VSAT	1

### Navigation Equipment

Magnetic Compass	Qty 1
Gyro Compass c/w Autopilot	3 x gyro, 1 x autopilot
GPS Navigator	2
Radar	2
Speed Log	1
ECDIS	2

### Other Equipment

Sewage Treatment Unit	1 x 2.5 m <sup>3</sup> /day
Water Maker - Capacity	10,000 litres/day
Waste Compactor - Quantity	1 x