

# MMS

SHIP REPAIR • OFFSHORE • WORKBOATS





# Introducing MMS

*Rob*

**Rob Langton**  
Managing Director,  
MMS

- Established in 1988
- Ship repairer and builder





MMS are based on the River Humber on the East Coast of the UK.

The company is ideally located to service the Yorkshire and Lincolnshire offshore windfarms and all types of ships operating within the Humber region.

Our aim has always been to offer customers a high quality service, with safe working practices at competitive prices. MMS take pride in listening to and understanding our customers' requirements and in return meeting their demands.

- Vessel owner and operator
- Hull and Grimsby support bases



# MMS Offshore Renewable Services Ltd

**MMS Offshore own and operate a growing fleet of windfarm support vessels. Most of the vessels have been built in-house by MMS to the highest specification and are multi-purpose workboats made to offer safety, comfort and reliability.**

MMS is ideally located to service the Humber offshore windfarms with logistics bases in both Hull and Grimsby.

The vessels have been built to support all phases of the offshore windfarms, from construction through to operation and maintenance. Due to the versatility of the vessels, MMS can carry out a multitude of projects such as:

- Personnel transfer
- Equipment transfer (4 x 10ft or 2 x 20ft containers)
- Fuel transfer
- Fresh water transfer
- Survey work
- Supply vessel
- Lubricant exchange
- Monopile cleaning
- ROV deployment
- Dive support

At 26 metres the vessels have excellent sea-keeping capabilities, even in tough weather conditions, being able to operate in wave heights of up to 2.2 metres, reducing weather days and technicians' downtime.



The crew are directly employed by MMS and are experienced seafarers trained to the highest standards, who offer clients a safe and professional service.

All vessels are maintained internally using the facilities and skilled workforce from the MMS shipyard. This includes use of the two dry docks, extensive workshops and the ability to carry out overnight maintenance to reduce vessel downtime.

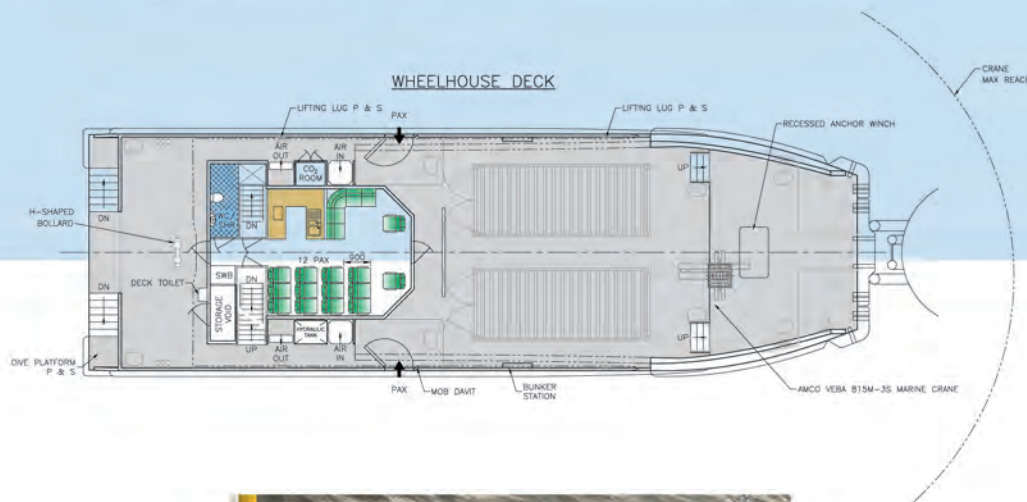
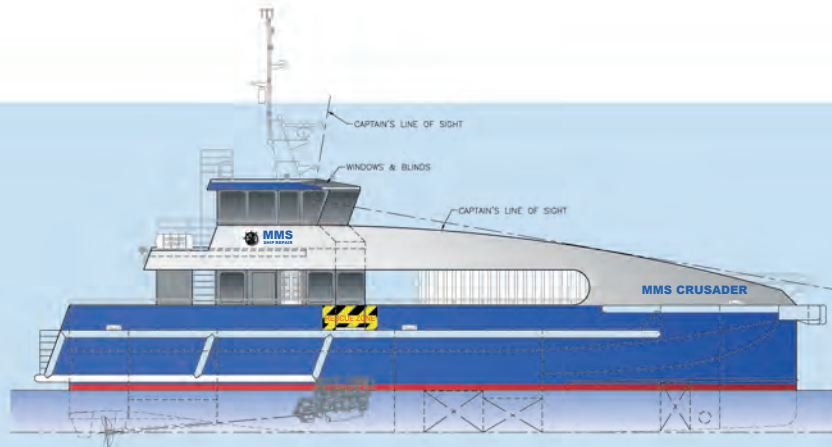






# MMS Crusader

## 25 metre Offshore Wind Farm Support Vessel



The MMS Crusader is the first in a series of aluminium catamarans that have been purpose-built to support the offshore renewable energy sector during the initial installation, operation and maintenance phases.

The vessel is classed to DNV-GL R1 Notation and has been designed as a multi-purpose high speed catamaran, capable of carrying out a multitude of roles. The deck area of 80m<sup>2</sup> is cable of carrying 2 x 20ft or 4 x 10ft containers (total weight of 16 tonnes), which proves ideal for use as a general supply vessel. MMS can provide additional accommodation, if required, housed in purpose-built portable deck containers.

The vessel's 16,200 litre integral fuel tanks have the capability of transferring fuel to offshore turbines with a retractable hose and nozzle. Included in the starboard hull is a general engineering workshop for carrying out maintenance while offshore.

The 12 person passenger seating can be reconfigured to suit the client's requirements. In addition, the forward facing door in the lounge allows quick access across the deck to the designated turbine boarding gate.

### Role Capability

- Supply vessel
- Fuel transfer
- Survey work
- Dive support
- Crew transfer
- Guard work
- ROV deployment
- Cleaning monopiles
- Mobile workshop
- Lubricant exchange

### Specification

• Length:	25.20m
• Beam:	8.00m
• Draft laden:	1.985m
• Keel to mast height:	12.5m
• Weight:	Gross Tonnage 89.68 tonnes
• Service Speed:	23 knots
• Certification:	DNV-GL + IAHISLC RI
• Fuel tank capacity:	16,200 litres/ 3,563 gallons
• Freshwater:	800 litres
• Waste:	1,000 litres
• Forward Deck:	80m <sup>2</sup>
• Container Capacity:	4 x 10ft/2 x 20ft
• Cargo Load:	16 tonnes
• Pad Loading:	3 tonnes/m <sup>2</sup>

### General

- Builder: MMS Ship Repair and Dry Dock Co Ltd
- Design: Incat Crowther
- Capacity: 12 passengers, 4 crew
- Construction: Aluminium
- Wind farm service and cat 1
- Flag: UK

### Deck Equipment:

- Fuel Transfer System: Pressure
- High Pressure salt or fresh water jetting units
- 4 x 10ft or 2 x 20ft container mounts
- Crane: Knuckle boom capacity:  
2.5m 5,100kg  
10.16m 1,180kg
- Multiple lashing points

### Main Engines:

- 2 x Caterpillar C32 1300Hp

### Generators:

- 2 x Caterpillar 22.5kW

### Bow Thrusters:

- 2 x 40Hp



**The MMS Supreme is a high specification catamaran. Purpose-built to support the Offshore Renewable energy sector during the initial installation, operation and maintenance phases.**

The vessel is classed to Bureau Veritas Category 1 Area. This multi-purpose high speed catamaran is capable of carrying out a multitude of different roles. The deck area of 90m<sup>2</sup> is capable of carrying 2 x 20ft or 4 x 10 ft containers which makes this vessel ideal for general supply and cargo carrying.

The vessel's 22,000 litre integral fuel tanks have the capability of transferring fuel to offshore assets and/or vessels. The vessel has an integrated pressure washing system that can be utilised for boat landing/foundation cleaning.

There are comfortable passenger areas on board that consist of seating for up to 12 persons, galley area for preparing refreshments and entertainment systems including televisions and radio. All to ensure optimal comfort whilst on board. The vessel has on-board accommodation in the form of 4 cabins which can sleep 8 personnel.

#### Role Capability

- Supply vessel
- Fuel transfer
- Survey work
- Dive support
- Crew transfer
- Guard work
- ROV deployment
- Cleaning monopiles
- Mobile workshop
- Lubricant exchange

#### Specification

• Length OA:	26.20m
• Breadth:	10.40m
• Draft:	2.0m - 2.2m
• Weight	81.58 Tonnes
• Service Speed	24.5 Knots
• Certification	Bureau Veritas Category 1 area
• Fuel Tank Capacity	22,000 Litres
• Freshwater Capacity	3,600 Litres
• Waste Tank Capacity	500 Litres
• Forward Deck	90.0m <sup>2</sup>
• Cargo Load	15 Tonnes

#### General:

- Capacity: 12 Passengers, 4 crew
- Construction: Aluminium
- Wind farm service and Cat 1
- Anchoring arrangement in accordance with class
- HELA 20-4S deck crane
- 90.0m<sup>2</sup> forward deck space
- 15.0t cargo capacity on fore deck
- Multiple lashing points

#### Propulsion System:

- 2 x Caterpillar C32
- 2 x Reintjes ZWVS 440/1 (Two Speed)
- Fixed pitch propellers

#### Generators:

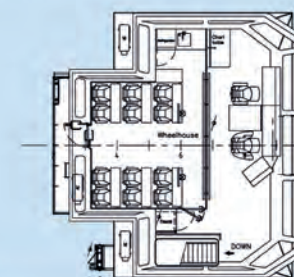
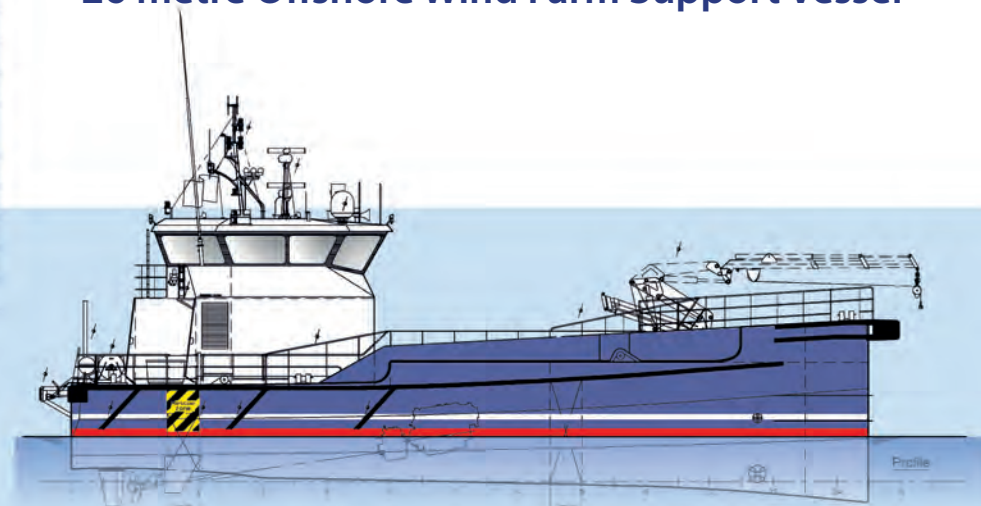
- 2 x Caterpillar C2.2T (25kW)

#### Bow Thrusters:

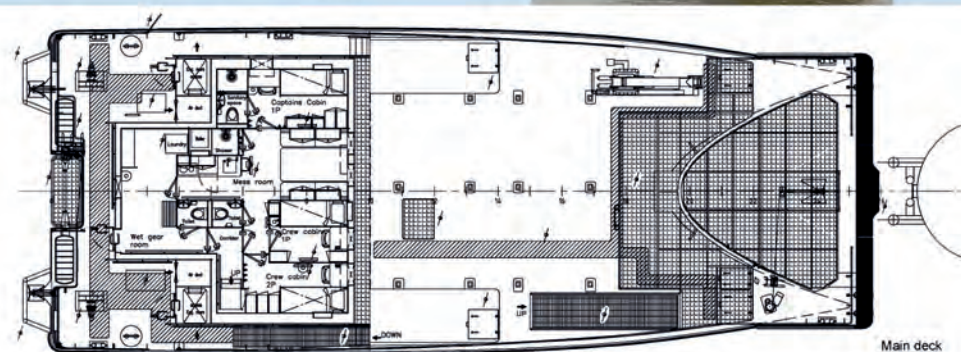
- 2 x 52kW

# MMS Supreme

## 26 metre Offshore Wind Farm Support Vessel



Bridge deck



Main deck



# Marine Civil Engineering

MMS own and operate 2 workboats able to support marine civil projects, and by combining these with the facility of our own shipyard, we can offer clients a full turnkey work package including;

## Civil Engineering Support

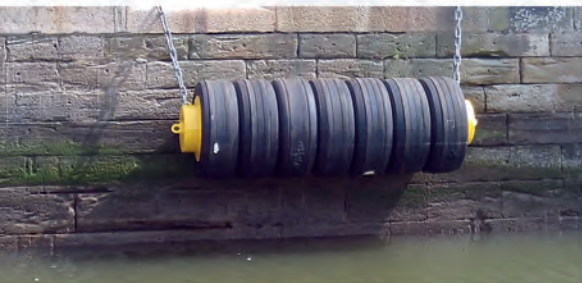
The 22 metre multi-cat 'MMS Humber Engineer' combined with our well equipped fabrication, engineering and coating departments enables MMS to offer a 'one-stop-shop' to carry out the following projects:

- Replacement of ladders, walkways and handrails
- Specialist welding
- Diving support
- Bespoke heavy duty mooring and pontoon

## Fender Installation and Replacement

MMS can install and replace quay wall and jetty fenders including manufacturing the company's own Hull Ship Fender made from recycled aircraft tyres. MMS can carry out the following duties:

- Hull Ship Fender
- D fender replacement
- Fender maintenance



## Safety Boat Work

The 'MMS Guardian' offers clients a fit for purpose safety stand-by vessel, manned by a team of competent crew who are trained in first aid and casualty rescue. The vessel is versatile and can be utilised to carry out the following:

- Safety stand-by including emergency response in enclosed waters
- Line handling duties
- General workboat duties

## Survey Work

MMS can carry out various surveys and have mobilised our vessels to carry out the following surveys:

- Water sample
- Benthic grab
- Depth soundings
- Bird and sea mammal observation

## Port Maintenance Services

MMS can carry out general port maintenance on a daily, weekly or monthly basis to ensure your port keeps operational. Duties include:

- Dock wall weed removal
- Flotsam removal
- Silt removal/dredging
- Oil spill removal (see page 22)
- Buoy laying









# MMS Humber Engineer

## 22 metre Multi-purpose Workboat

### Providing support solutions for the Humber

The MMS Humber Engineer is truly a multi-purpose vessel and is available for charter to support all types of marine-related work being carried out in the Humber

The vessel has been built to the highest standard and is approved by the MCA (MECAL) Workboat Code of Practice Category 3 regulations.

MMS Offshore offer clients 24 hour coverage, 365 days per year, with 2 or 3 man crews working 12 hour shifts if required. The vessel is maintained on a regular basis by our own shipyard engineers.

The MMS Humber Engineer can be utilised to assist in all types of work such as supporting marine civil engineering, dredging, diving, cable and pipe repair projects, delivery and collection of equipment.

The vessel is equipped with a hydraulic crane and deck winch, a bow roller, moon pool and a spud leg for mooring.

Crew accommodation comprises a combined mess galley, wash room and 2 x bunks.

In addition, the MMS shipyard offers full support in carrying out projects backed by their own in-house experienced tradesmen, including coded welders, carpenters, painters and mechanical engineers.

For projects in the River Humber, MMS can offer its own logistics support base with 200 metres of quay space, fully-equipped workshops and crane services.



### Specification

• Length OA:	22.00m
• Breadth inc. fender:	7.00m
• Draft:	0.80m
• Air draft (water line to mast top)	9.07m
• Weight	Lightship 122 tonnes Displacement 155 tonnes
• Speed	7 knots

### General

- Multicat / workboat
- Rebuild by MMS Ship Repair & Dry Dock Co Ltd 2016
- Constructed in steel

### Propulsion / Mechanical

- Main engines 2 x Caterpillar 3304T
- Propulsion 2 x Aquamaster ALT 250/4500
- Generator Hyundai 45kva

### Deck Equipment

- Hydraulic crane 3700kg @ 2.50m
- Hydraulic winch 3.8 tonne pull capacity
- Moon pool
- Bow roller
- Mooring system Spud Leg

### Tank Capacities

- Fuel oil Main engine Port daily service 350 litres  
Main engine Starboard daily service 350 litres  
Port bunker 2,250 litres  
Stbd. bunker tank 2,250 litres  
Generator tank 2,230 litres
- Fresh water 2,250 litres

### Safety

- 6 man canister life raft with Solas B pack & automatic hydrostatic release
- Lifejackets for a maximum of 6 persons
- Rescue zones with Jason's cradle apparatus
- Fire pump / hose
- Defibrillator
- First Aid kit
- Hand-held VHF

### Navigation

- Plotter GPS Raymarine 12" Hybrid Touch Multi-functional Display
- AIS Raymarine AIS 650 Transponder / Receiver
- Radar Raymarine 24" HD Colour Radome
- Transducer Raymarine Low Profile Depth/Temp
- Communication ICOM M423 VHF Radio
- Radar Reflector Echomax 230 (Blipper SZ)

### Accommodation

Fully furnished wheelhouse, galley/mess room, twin bunks, wash/drying room

### Role Capability

- Transporting equipment
- Fresh water delivery
- Civil engineering projects
- Cable laying and repairs
- Survey works
- Laying moorings
- Salvage support
- Dive support
- Dredging
- Jetty and quay repairs



### Taking the safety of waterside working to a higher standard

The MMS Guardian is designed to carry out Emergency Response and Rescue for works being carried out within enclosed waters such as harbours, rivers and estuaries.

The vessel has been built by MMS to the highest standard and is constructed to the MCA (MECAL) Workboat Code of Practice Category 3 regulations.

MMS offer clients 24 hour coverage, 365 days per year; with two man crews working 12 hour shifts. The crew are trained in casualty rescue, first aid, boat handling and navigation. MMS Guardian is maintained on a regular basis by the shipyard's on-site engineers.

The MMS Guardian can also be utilised as a general workboat, line handler and inspection vessel, whilst being able to assist with dive support and depth soundings.

In addition, the MMS shipyard offers full support in carrying out projects backed by their own in-house experienced tradesmen, including coded welders, carpenters, painters and mechanical engineers.

For projects in the River Humber area, MMS can offer the facility of a 200 metre repair quay, complete with fully-equipped workshops and crane services.

### Role Capability

- Safety stand-by vessel
- Tug with 2.2 tonne bollard pull
- Line handler
- General workboat
- Jetty and Quay repairs
- Marine construction

### Specification

- Length: 9.25m
- Breadth inc. fender: 3.95m
- Draft: 1.60m
- Keel to mast height: 6.00m
- Weight (lightship): 13.5 tonnes
- Speed: 9 knots
- Fuel tank capacity: 1,000 litres/ 220 gallon
- Bollard Pull: 2.2 tonnes

### General

- Built by MMS Ship Repair in 2014
- Constructed in steel

### Mechanical

- Dooson LO66T1, 4 cylinder, 180hp (132kw) @ 2200rpm Turbocharged, Intercooled

### Propeller

- 1 metre diameter 3x bladed

### Steering

- Power steering, manual hydraulic with double cylinder operating tiller with wheelhouse rudder indicator
- Manual emergency steering tiller arm

### Pumps

- Electric bilge pump with alarm and control switch
- Manual emergency bilge pump
- Deck wash pump Fenders
- Rubber D section from bow to stern
- Vertical push bow fender

### Fire Protection

- Pyrogen fire suppression system
- 2x portable fire extinguishers

# MMS Guardian

## Safety Stand-by Vessel



### Safety

- Life raft: 4 Man
- SAR Equipment: Davits with Survitec Personnel Recovery Device
- Basket Stretcher with 4 Point Sling
- SB Rescue Sling
- Phillips 'Heartstart' Defibrillator
- First Aid Kit
- Flares
- Searchlight
- Recovery Man Overboard Ladder
- Life Rings

### Electrical

- 2x Alternators

### Navigation

- GPS
- Steering Compass
- VHF/DSC Fixed
- Handheld Radio
- Mobile Telephone
- Radar Reflector

### Additional Information

- Deck Wash
- Shore Supply
- 240v Wheelhouse Tube Heater
- Lifting Points
- Rotating Search Lights
- Anchor



# Logistics and Mobilisation Bases

## HULL

The Hull base is located in Alexandra Dock, situated next to the Siemens Gamesa turbine blade factory.

This offers clients 250 metres of quay space which can accommodate vessels up to a maximum size of 150 x 23 metres.

Access into Alexandra Dock is through penned lock gates which ensure any vessels are kept at a constant level, making it ideal for mobilisation projects.

MMS can also offer temporary offices, parking and storage space for short or long term projects.

Large structures can be fabricated or modified by the shipyard utilising the alongside workshops for load out onto vessels.

If required, the MMS vessels can sail directly from Hull and be loaded alongside with the company crane, forklift and labour.

## GRIMSBY

The Grimsby base is located in the Fish Dock, ideally situated to service the local offshore windfarms.

The MMS fleet of support vessels offers clients a second-to-none package during offshore installation, operation and maintenance phases. The shore side facility includes a marine operations office, crew changing, recreation and wash room amenities. Along with a 2 berth mooring pontoon, crane, quay space and parking.

**MMS SUPREME  
HULL**







# MMS Ship Repair & Dry Dock Co Ltd

MMS provides a one-stop-shop for ship owners with all services carried out in-house.

All our services are performed by time-served, experienced tradesmen who are committed to working with the customer.



## DRY DOCK 1

Length 140 metres  
Beam 18 metres  
Draught 5 metres



## DRY DOCK 2

Length 150 metres  
Beam 19 metres  
Draught 6 metres



## QUAY BERTH North

Length 150 metres  
Beam 23 metres  
Draught 8 metres



## QUAY BERTH East

Length 80 metres  
Beam 23 metres  
Draught 8 metres

MMS offer the following services:

- Steelwork & fabrication
- Fitting & engineering
- Painting & shot-blasting
- Carpentry
- Pipefitting & plumbing
- Electrical
- Scaffolding
- Tank cleaning

MMS have a vast amount of experience and over the last 30 years the shipyard has carried out over 1,000 dry dockings and over 9,000 separate repair contracts. Our customers range from single vessel operators to multi-national shipping companies; no job is too big or small.

MMS specialises in:

- Routine dry dockings
- Class survey work
- Emergency repairs
- Mobilisation projects
- Vessel lengthening
- Major upgrades
- Large fabrication projects
- Accommodation modules

## Workshops

Fully-equipped fabrication, engineering, machining and carpentry workshops are located on-site and within close proximity to both of the dry docks.

## Stores

A dedicated stores and compound with a comprehensive range of stock and equipment is located on-site. Secure storage is available for every vessel under repair.

## Superintendents' office

Superintendents are provided with a well equipped private office during their vessels repair at MMS. The offices are close range to the dry docks and include Wi-Fi and undercover car parking.

## Quality and Environmental

MMS is ISO 9001:2015 and ISO 14001:2015 accredited and certified. The company remains committed to a continued programme of quality and environmental assurance.

## Sailing Distances (nautical miles) to MMS Shipyard from:

Great Yarmouth	117
Middlesbrough	123
Dover	204
London	229
Aberdeen	262
Rotterdam	331

## Dry Docks

Both dry docks are supplied with:

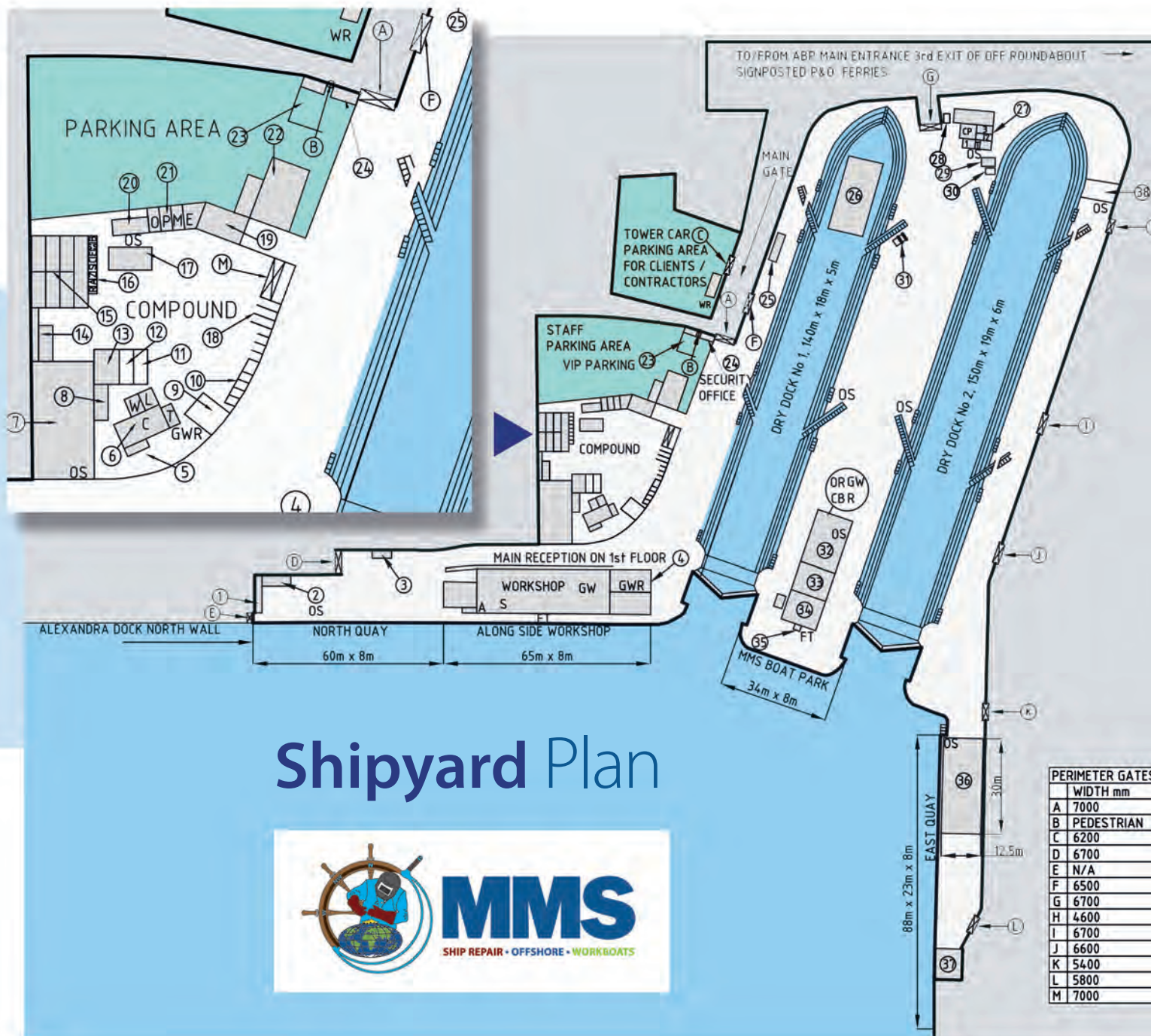
- Shore power
- Fresh & ballast water
- Sewage collection facility
- Waste oil collection facility
- Dock lighting
- Cranage, access platforms & forklift trucks

## Repair Berths

Repair berths are non tidal, providing ship owners with safe mooring. Both berths are supplied with:

- Shore power
- Fresh & ballast water
- Sewage collection facility
- Waste oil collection facility
- Cranage, access platforms & forklift trucks





# Shipyard Plan



**MMS**  
SHIP REPAIR • OFFSHORE • WORKBOATS

KEY	
1	PAINTERS STORE
2	SHOT BLAST BOOTH
3	SCAFFOLDING STORE
4	MAIN OFFICE
1ST LEVEL:	
MAIN OFFICE & RECEPTION	
GROUND FLOOR:	
MMS CANTEN & LOCKER ROOM	
INCLUDING FIRST AID, DRYING	
ROOM, WASH ROOM & SHOWERS	
5	SMOKING SHELTER
6	CONTRACTORS AREA
C	CANTEN
T	TOILET
L	LAUNDRY
W	WASH ROOM
7	STORES DEPARTMENT
8	STORAGE CONTAINER
9	BUNDLED STORAGE AREA
10	STOCK STEEL TUBE RACKING
11	JETTING MACHINE STORAGE AREA
12	FORKLIFT STORAGE AREA
13	UNDERCOVER STORAGE AREA
14	SCAFFOLDING STORAGE
15	STORAGE CONTAINERS
16	RECYCLING CONTAINERS FOR
B	BATTERIES
E	ELECTRICAL CABLE
C	COPPER & BRASS
Z	ZINK
A	ALLOY
S	STEEL
SS	STAINLESS STEEL
R	RECYCLING
17	MMS TRANSPORT PARKING
18	STOCK STEEL PLATE RACKING
19	CARPENTRY STORAGE
20	DIESEL TANK
21	GAS CYLINDER STORAGE
O	OXYGEN CYLINDERS
P	PROPANE CYLINDERS
M	MIX GAS CYLINDERS
E	EMPTY CYLINDERS
22	CARPENTRY DEPARTMENT
23	VIP PARKING & MUSTER POINT
24	SECURITY OFFICE
25	SHOT BLAST STORE
26	No1 DRY DOCK SHIP CRADLE
27	SUPERINTENDENTS OFFICES, 1, 2, 3 & CAR PORT (CP)
28	WET DOCKS FLOTSAM WASTE
29	SHOT BLAST UNIT STORAGE AREA
30	GENERAL, WOOD, DOCK BOTTOM WASTE
31	GALLEY WASTE
32	ENGINEERING DEPARTMENT
33	MACHINE SHOP
34	PUMP ROOM
35	DOCK GENERATOR
36	NEW BUILD DEPARTMENT
37	STEAM CRANE
38	WASTE OIL STORAGE
WASTE STATIONS / OIL SPILL KITS	
GW	GENERAL WASTE STATION
R	RECYCLING STATION
OR	OILY RAGS DISPOSAL STATION
CB	CARDBOARD RECYCLING STATION
OS	OIL SPILL KIT STATION
FT	MMS OIL FUEL TANK



# Planned Maintenance and Class Renewal Surveys

- Over **1,000** vessels dry docked
- Over **9,000** separate vessel repair contracts

MMS has an excellent track record in delivering repair contracts on time and to budget, which is proven by the repeat customer rate of 90%. Vessels under repair are assigned a dedicated and experienced project team who oversee the repair from start to finish.

The management team work with customers to plan class renewal surveys and maintenance prior to the vessel's arrival, including pre-inspection of the vessel if required. Items can be prefabricated in the shipyard and fitted during the vessel's repair stop.

MMS have an excellent working relationship with all major class societies and our welders are coded in both steel and aluminium. In the event that any sub-contractors are required, they are appointed from our quality-approved supplier list.





# Emergency Dry Dock Repairs

Having two dry docks allows MMS the flexibility to offer ship owners a quick and efficient repair service. A local employed workforce with the addition of fully equipped workshops and stores ensures a fast turnaround for all emergency repairs.

MMS offer a 24 hour working service if required, to ensure the vessel's lay up time is kept to a minimum.





# Alongside Repairs

**MMS have 250 metres of serviced, non tidal quay space. Berths are supplied with shore power, fresh water, sewage and waste oil collection facilities, crange and forklifts.**

**Berths are also floodlit and supported by the shipyard's workshops and facilities.**

**In addition to this, MMS have a dedicated, fully-equipped 24/7 mobile repair team who can attend any vessels calling at ports on the Humber.**

**If required, the 22 metre MMS Humber Engineer can be utilised for any over side welding work, changing of anchors, etc.**



# Conversion, Lengthening and Retrofits

MMS have a vast amount of experience in carrying out bespoke projects, having carried out a range of work on vessels from small 20 metre river cruisers to 150 metre Ro-Ro ships. Projects have included lengthening vessels, prefabricating loading chutes for dredgers, accommodation units and survivor modules for ferries and offshore support vessels.

The shipyard is well-equipped to deal with any such projects and has a cradle on wheels within one of the dry docks which is used for lengthening. Specialist items can be fabricated undercover in the new construction workshop, which is retractable and allows for easy load out, which can be directly onto the vessel if required.





# Shipbuilding & New Construction

**MMS have a purpose-built new construction workshop (30m x 10m x 11m), situated on the East Quay of the shipyard. This workshop is ideal for building new vessels, pontoons, accommodation modules and large fabrication projects, etc. The workshop is retractable which allows items to be safely and easily launched or loaded out directly into the dock.**

MMS has experience in building many different types of vessels, in both aluminium and steel, including:

- Small tugs
- Workboats
- Rope handlers
- Multi-cats
- Fishing vessels
- Offshore crew transfer catamarans
- Mooring pontoons

We have a good working relationship with UK and overseas naval architects, who assist us with our innovative designs. Virtually all of the work is carried out in-house by our experienced tradesmen which ensures the company keeps a good quality control over the project.

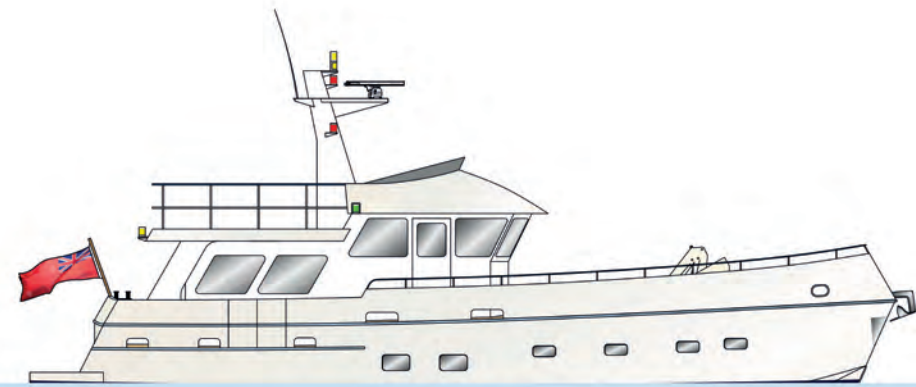
Being an experienced ship repairer allows us to look closely at the future maintenance of the new vessels we build. With careful design and planning it allows us to reduce any problematic faults.





# New Design & Build

## Blue water recreational vessel



**MMS have an exciting new design and are building a 17.5 metre vessel which can be adapted for recreational or workboat purposes.**

The recreational version is based on a trawler yacht built to HPI Verification Services requirements category A Ocean able to carry you safely to any overseas destination. It offers comfortable accommodation for 6 passengers in 3 cabins, has a well-equipped galley / dining area and a separate day lounge.

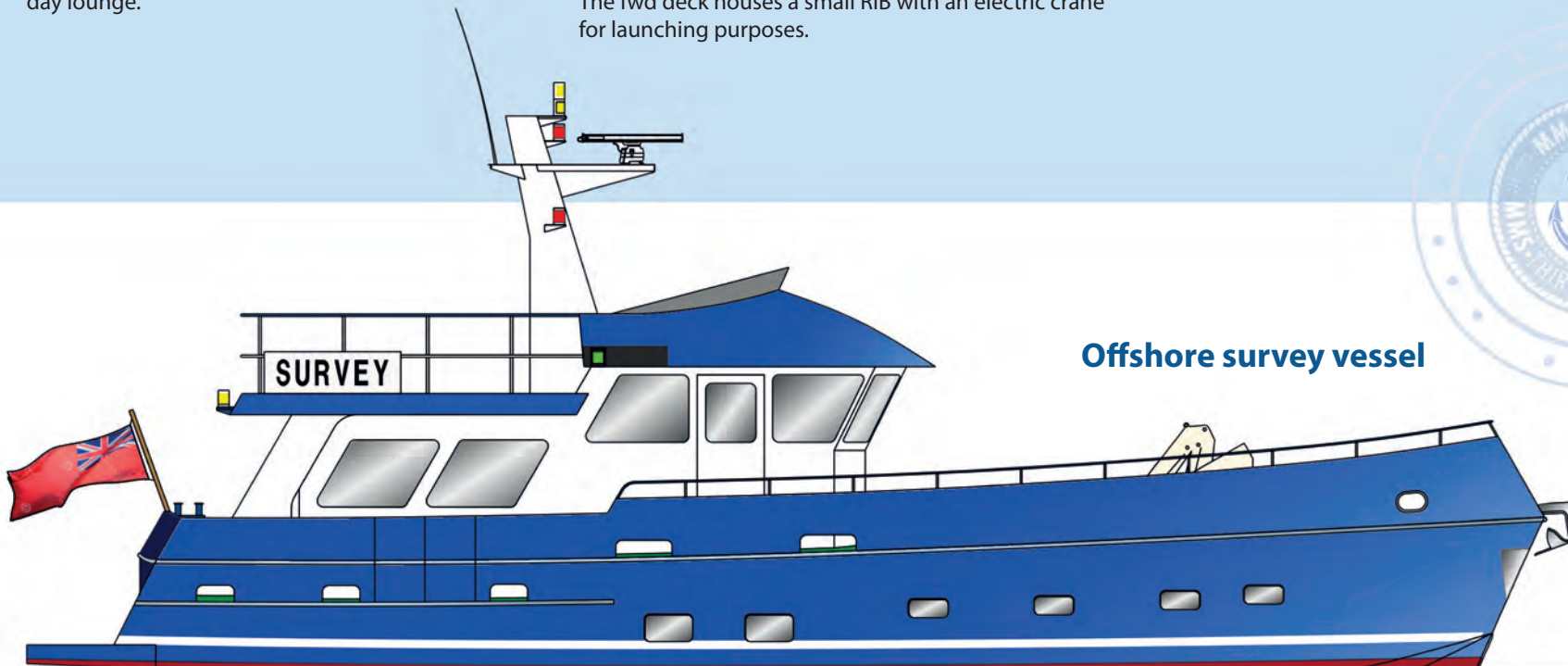
Power is supplied by 2 x 180hp main engines giving economical running costs, 2 x generators, bow and stern thrusters and fin stabilisers to ensure smooth passages.

The wheelhouse is well designed for easy operational purposes with a user friendly electronics package. The vessel is designed to operate in cold or tropical weather with a fly bridge for warmer climates.

The fwd deck houses a small RIB with an electric crane for launching purposes.

The same vessel design can be offered as a workboat able to carry out duties such as survey work including bird and marine mammal reviews, marine traffic assessments and sea bird surveys around wind turbines sub stations and pipe lines.

The vessel will have an upper observation area, clients workplace with pleasant accommodation, economical twin engines, bow / stern thrusters and stabilisers guaranteeing comfortable passages whilst at sea.



## Offshore survey vessel

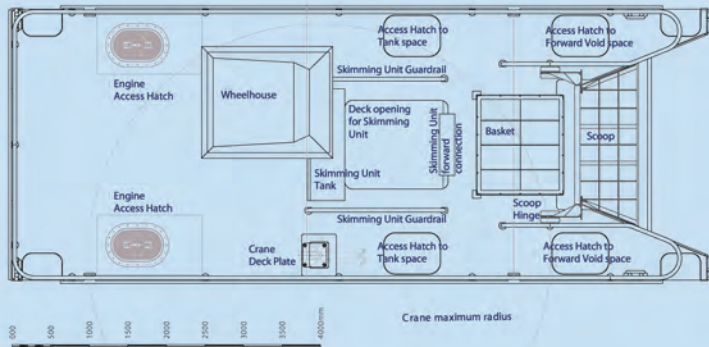




# Envirocat Harbour

## Oil & debris control vessel

**This vessel is what every port operator, harbour authority or marina can't do without!**



### Specification

- Length: 9.20m
- Breadth inc. fender: 3.80m
- Draft unladen: 0.60m approx.
- Draft laden: 1.10m approx.
- Keel to mast height: 2.80m
- Weight (lightship): 5.3 tonnes
- Speed: 9 knots
- Fuel tank capacity: 193 litres/ 43 gallon

The 9 metre multi-purpose Envirocat Harbour is constructed in marine grade aluminium and is capable of carrying out the following duties:

- Collection of plastic from the water's surface
- Removal of oil from the water's surface
- General workboat duties

The Envirocat Harbour weighs 5.5 tonnes and is fully road transportable. The pollution control equipment is easily operated can store up to 4 tonnes of waste oil, this can then be pumped ashore into a reception facility.

In addition to this, the vessel can collect floating debris from the water's surface, which can then be segregated onboard and lifted ashore with the vessels hydraulic crane.

The vessel is safe and easy to operate and requires minimum crew.

The Envirocat Harbour is successfully working for port operators in both the UK and overseas.

*View the vessel in action: visit YouTube: enter 'Envirocat Harbour'*







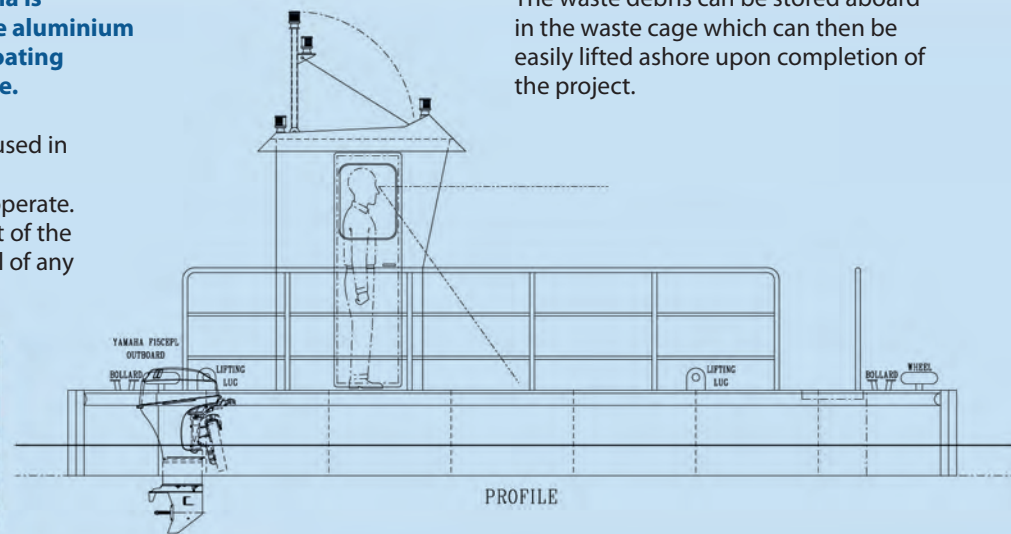
# Envirocat Marina

Ideal for waste plastic control



**The 7 metre Envirocat Marina is constructed in marine grade aluminium and is ideal for collecting floating debris off the water's surface.**

The Envirocat Marina can be used in enclosed waters, is fully road transportable and simple to operate. The scoop located at the front of the vessel makes for easy removal of any plastic on the water's surface.



The waste debris can be stored aboard in the waste cage which can then be easily lifted ashore upon completion of the project.





# Contacts

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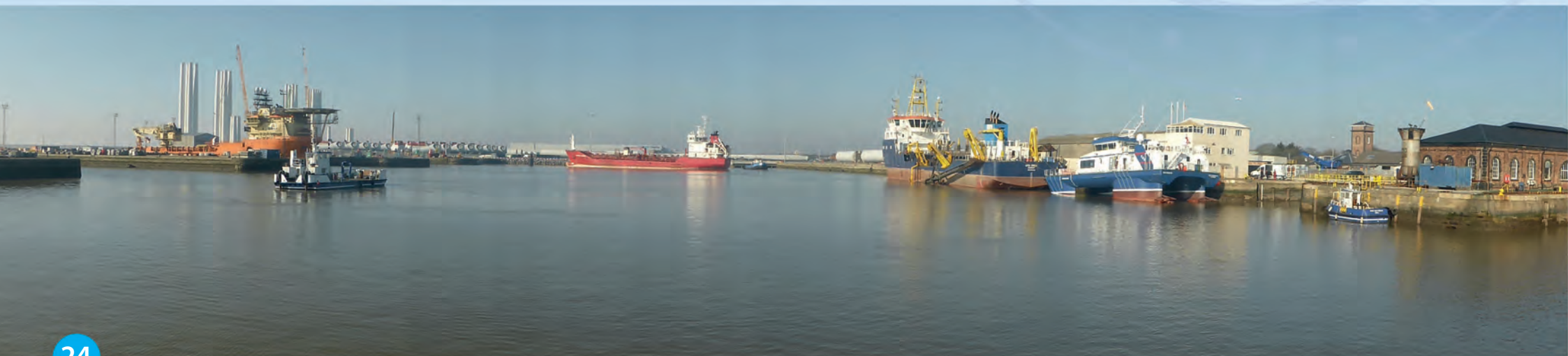
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### Receptionist

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# MMS

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