

Canal Naval Constructions Co. Suez Canal Authority A.C.



ABOUT US

Our Vision

To effect positively into our beloved country economy using our remarkable willing and the latest worldwide technologies along with more than a fifty years of experience, and to preserve the environment through introducing the latest technology and innovation.

Our Mission

Commitment in delivering excellent value to our customers, to design and execute plans that secure optimized bright future for our beloved company and to pass on the torch of success via the experienced hands to youngest generations in order to secure endless success, and to build a self-sufficient and professionally organization serving the best interests of our clients by offering safe and efficient services and products

The Company

Canal Naval Constructions is one of the most experienced shipyards in the Middle East also it is one of Suez Canal Authority (SCA) leading companies founded in 1963 equipped and efficient for building and repair vessels, it was chosen for its supreme strategic location at Egypt Northern gate of Port Said city gives it the advantages to cover a massive maritime areas.

The yard can convert the Ro/Ro ships to passenger ships. The quay at ship building area is 200 meter length & quay at ship repair area is 150 meter and is growing.

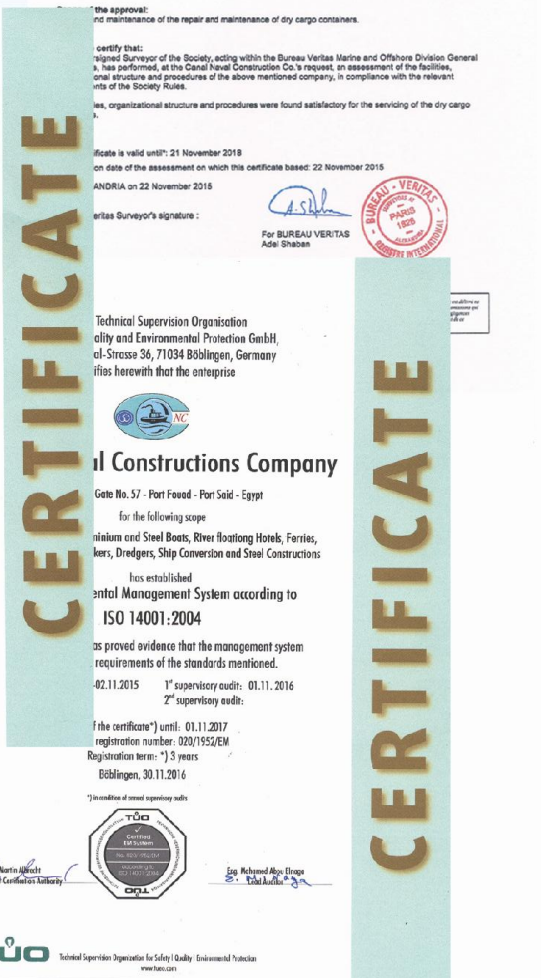
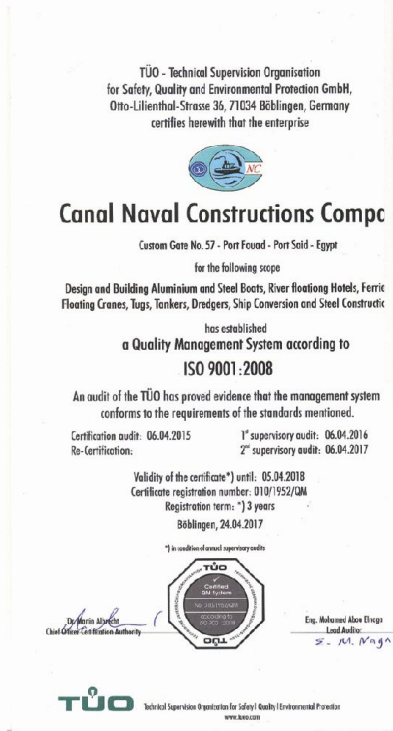
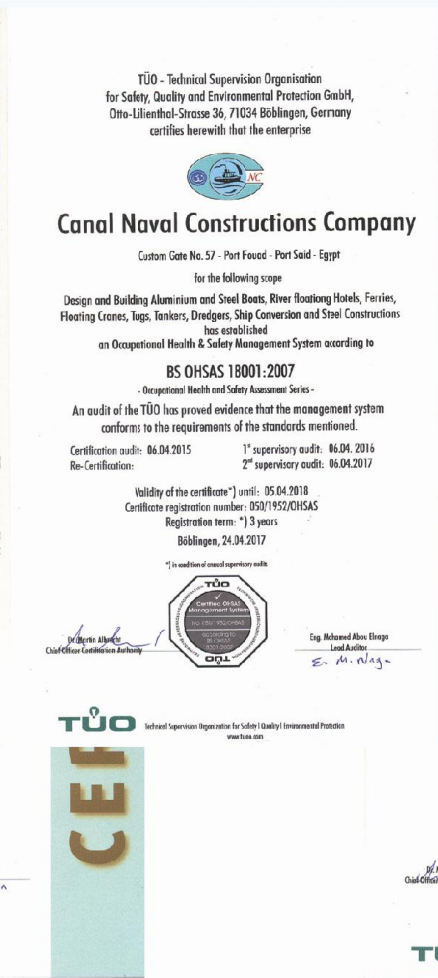
The South quay is a base operation for petroleum search companies also CNC is planning to build a new floating dock with lifting capacity up to 5000 tons.

Our Team

CNC is fully equipped with workshops as well as with man power which are now qualified and as far as needed certified, it has been mastered in all kinds of specialization in construction techniques either steel or aluminum. We have high skilled designers who can design marine vessels using ship design software AVEVA MARINE .

ABOUT US

ISO 14001 : 2004 Certificate
OHSAS 18001 : 2004 Certificate
ISO 9001 : 2008 Certificate
Certification from B.V. For the
Maintenance and Repair of Containers



Quality Policy

The quality policy provides a framework for determining and review of quality objectives. The policy has been communicated and well understood by all the staff members of our organization. As we continue to grow and progress , our foremost target is to strengthen our ability in order to provide the highest quality level with cost-effective services in order to meet growing demands of customers. CNC top management is committed to develop and implement the quality management system and continually improves its effectiveness by:

- communicating the organizations where the importance of meeting customer as well as statutory and regulatory requirement are establishing the quality policy.
- Produce satisfactory services that meet the needs and expectations of our clients.
- Provide the continuous improvement of our well educated,experienced and technologically equipped personnel in direction with the today 's control standards and communication possibilities
- Following Health & Safety regulations.
- Enhancing employees competence.

By maintaining compliance with all applicable laws and regulations within the areas of our operation and by conduating all operations in amanner that promote safe work partices and avoids risk to our employees,our neighbors,and the environment,we can optimize the value created for our customers.

COMPANY ACTIVITIES

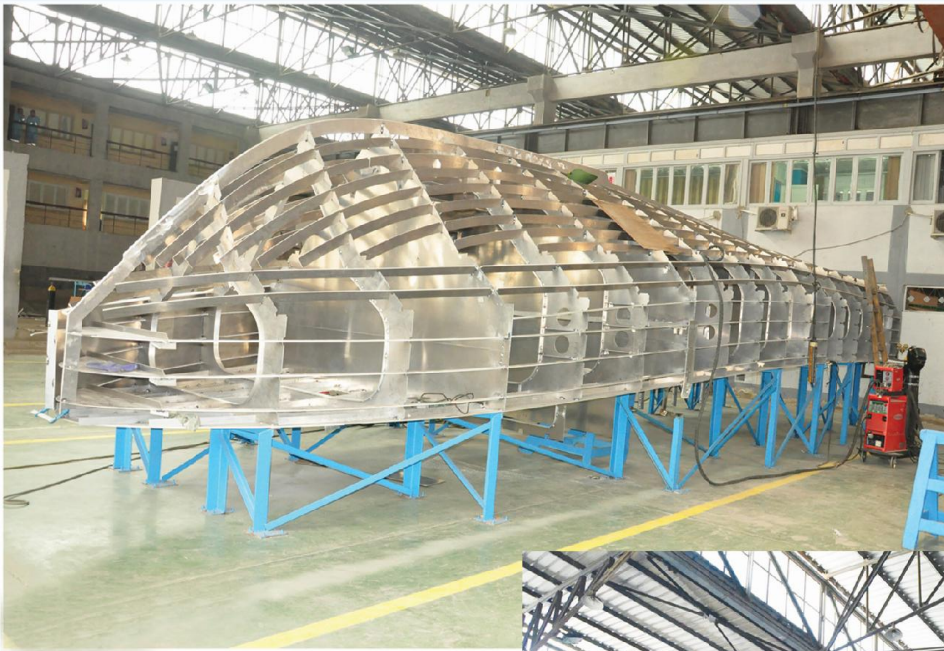
Ship Building

Building of all kinds of vessels such as floating cranes, service boats, tug boats, fuel oil and water tankers, hopper barges, dredgers, ferry boats, fishing vessels, survey boats, floating river hotels, floating restaurants, Split Hopper Barges.



Building Aluminum Boats

CNC is considered to be the first shipyard which build aluminum boats in Egypt with high technique & high quality welding machines and equipment



COMPANY ACTIVITIES

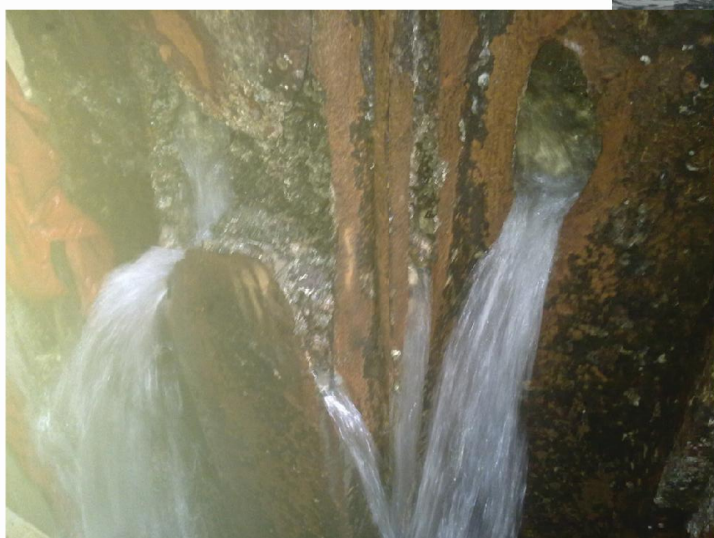
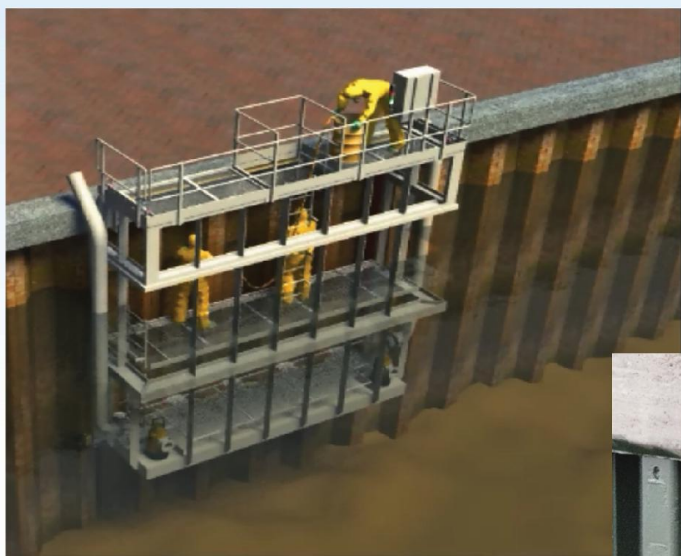
Ship Repair

Repair of all kinds of vessels with high quality and in accordance with the regulations of the international societies requirements.



DZI Technology

Repair and maintenance of steel sheet piles underwater using DZI technology.



COMPANY ACTIVITIES

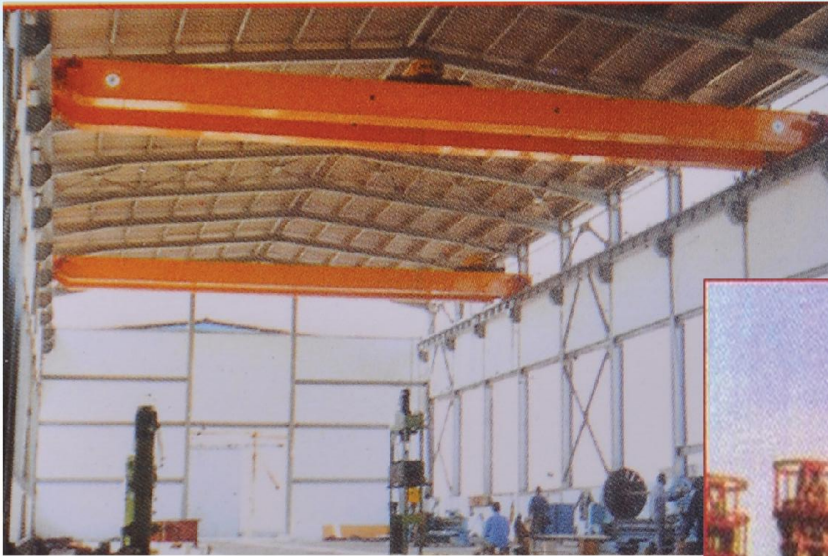
Ship Conversion

The company is one of the specialized companies in the field of conversion of overseas cargo vessels to passenger vessels



Steel Works

Steel structure, steel fences, steel towers, tanks, steel pipes, steel floaters and Buoy.



Company Products



'BAHAR 1' & 'BAHAR 2'

Boat Series / Model	Pi Series / TC 50
Owner	Suez Canal Authority, Egypt (SCA)
Building Yard	Canal Naval Constructions company (CNC)
Application	Pilot Boat
Classification	LR5: + 100 A1 SSC Pilot Mono, + LMC
Hull Material	Aluminium 5083
Length Overall	15.30 m
Beam Overall	4.70 m
Draught	1.35 m
Displacement	16 t (Light ship)
Max. Speed	22 kn
Fuel Capacity	2,500 L
Range (nautical mile)	350 NM @ 18 kn
Main Engine / Model	2x SCANIA / DI12 59M
Power (each)	294 kW @ 1800 rpm, ICFN rating
Gear Boxes / Model	ZF / 360A
Propulsion/ Steering	2x FPP
Steering Gear	KOBELT
Fendering	Rubber D Fender 150 mm
Accommodation	4 Persons

Pilot and Patrol Boats

The Pi series is a range of pilot boats from 14 to 21 meters. Proven performance, reliability, safety and comfort for the pilots. Also available in patrol boat versions.

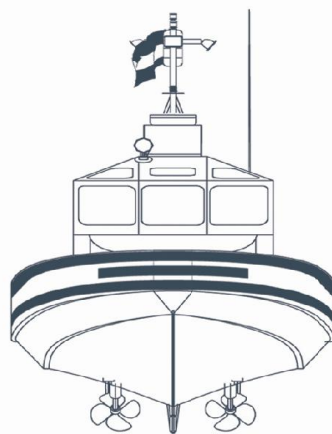
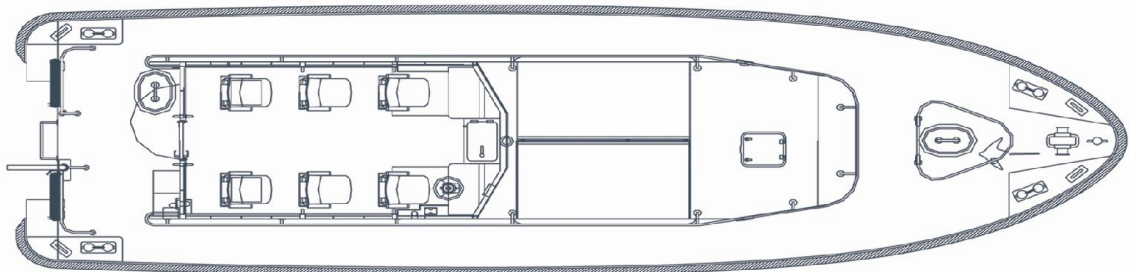
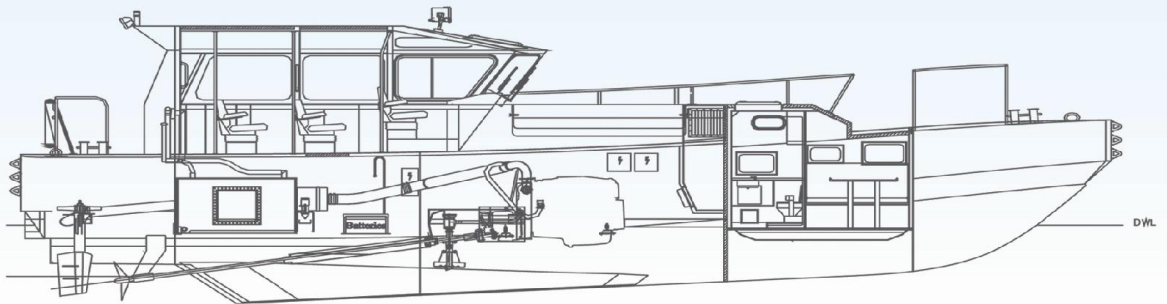
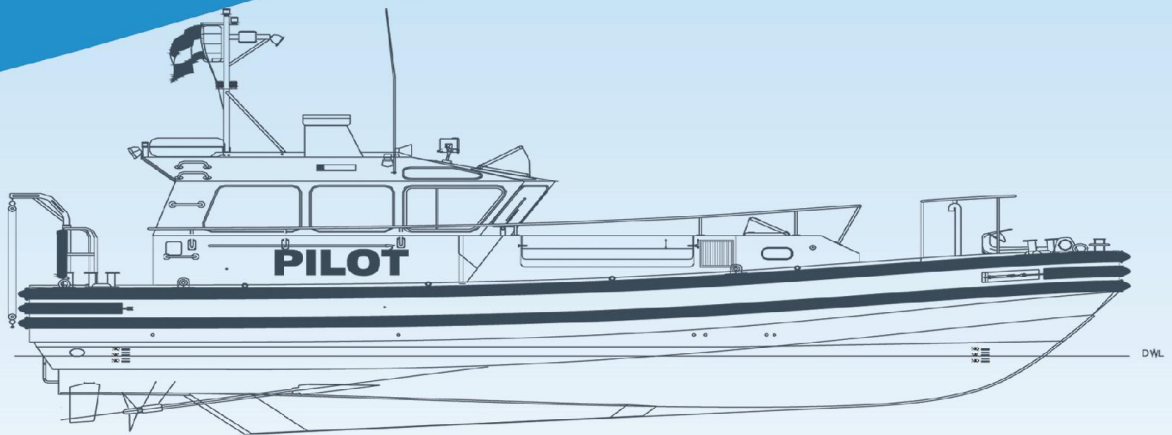
Aluminium: Tough, durable, light, easy to repair.

The Pi series is fabricated of classification society certified marine Aluminium sheets and profiles. Aluminium boats have no moulds, so you get the boat you want, not the boat we have. Aluminium is 100% recyclable, an increasingly important issue in a Greener world. Safety first:

A Pilot is a highly qualified professional. He must arrive at the ship bridge in the right frame of mind to give his best attention to the safety of the vessel. Pilot comfort is not a luxury: it is a Safety of Navigation issue.

Designed by Camarc Ltd., UK.





Company Products



'IRSHAD 11' & 'IRSHAD 12'

Boat Series / Model	Pi Series / TC 47
Owner	Red Sea Port Authority, Egypt (RSPA)
Building Yard	Canal Naval Constructions Co. (CNC)
Application	Pilot Boat
Classification	LRS: + 100 A1 SSC PILOT MONO, G3
Hull Material	Aluminum 5083
Length Overall	14.30 m
Beam Overall	4.50 m
Draught	1.30 m
Displacement	14.5 t (Light ship)
Max. Speed	22 kn
Fuel Capacity	2,000 L
Range (nautical mile)	325 NM @ 18 kn
Main Engine / Model	2x SCANIA / DI12 59M
Power (each)	294 kW @ 1800 rpm, ICFN rating
Gear Boxes / Model	ZF / 360A
Propulsion/ Steering	2x FPP
Steering Gear	KOBELT
Fendering	Rubber D Fender 150 mm

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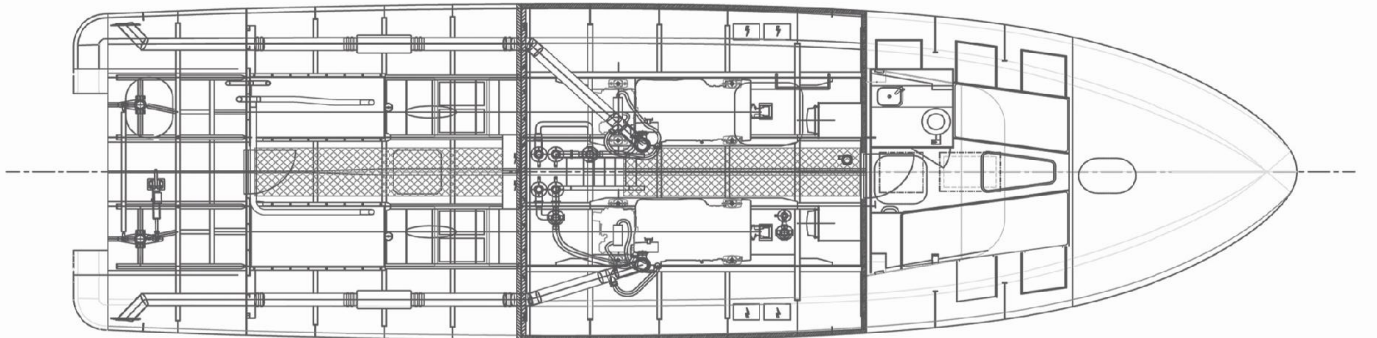
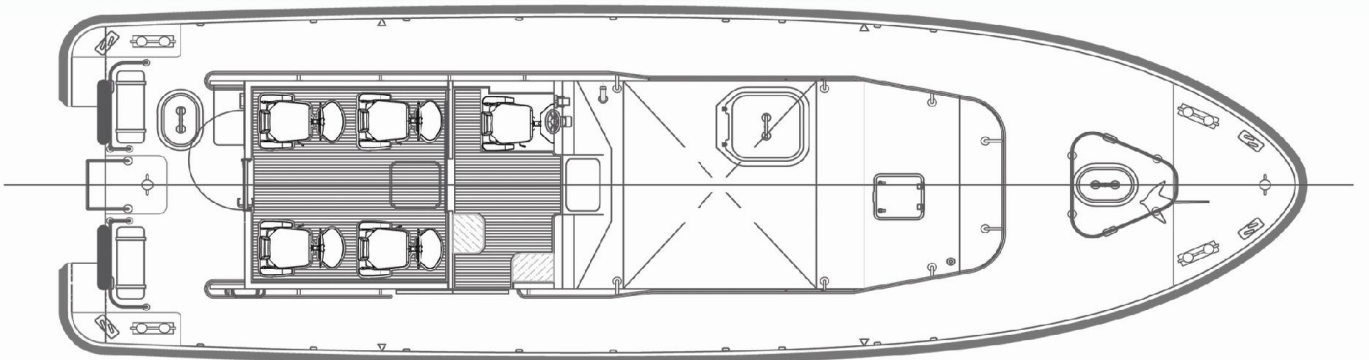
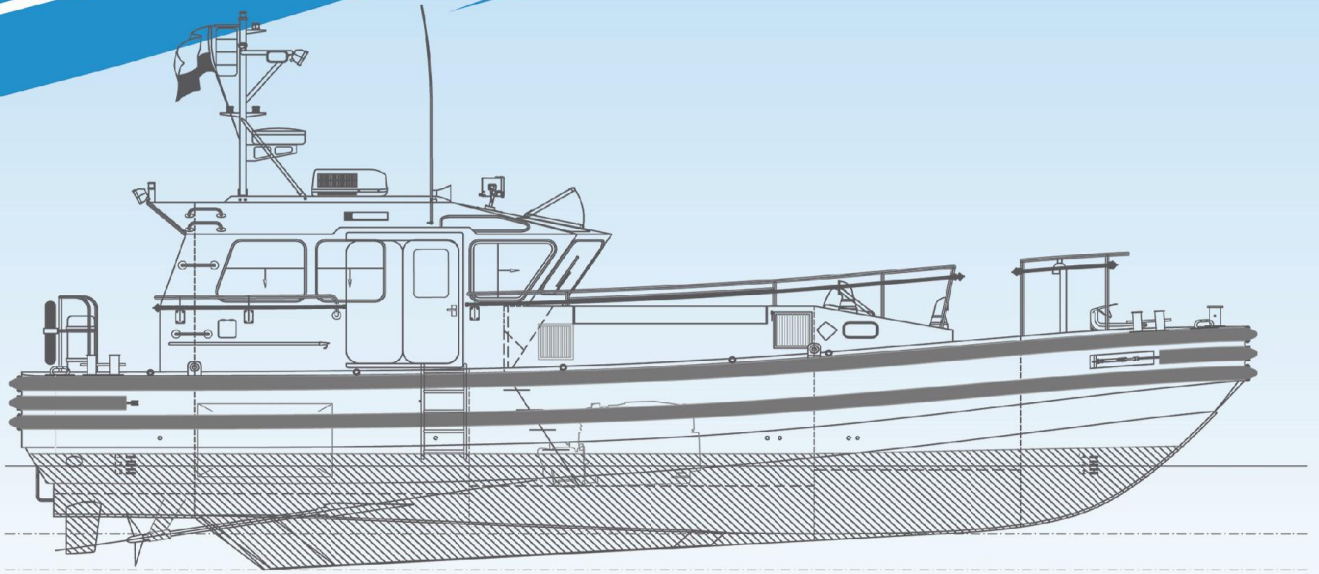
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Designed by Camarc Ltd., UK.





Company Products



'FAHD 1' & 'FAHD 2'

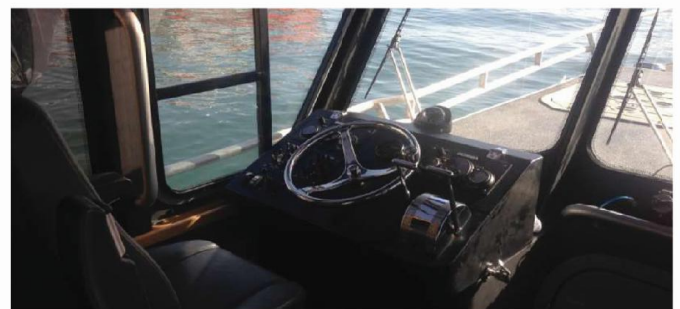
Boat Series / Model	Pi Series / TC 47
Owner	Canal Mooring & Lights company (CML)
Building Yard	Canal Naval Constructions company (CNC)
Application	Pilot Boat
Classification	LRS: + 100 A1 SSC Pilot Mono, + LMC
Hull Material	Aluminium 5083
Length Overall	14.30 m
Beam Overall	4.50 m
Draught	1.30 m
Displacement	15 t (Light ship)
Max. Speed	22 kn @ light load condition
Fuel Capacity	2,000 L
Range (nautical mile)	234 NM @ 18 kn
Main Engine / Model	2x SCANIA / D13 70M 2x 294 kW / 394 BHP @ 1800 rpm, ICFN rating
Gear Boxes / Model	ZF / 360A
Propulsion/ Steering	2x FPP
Fendering	Rubber D Fender 150 mm
Accommodation	4 Pilots + 3 Crew

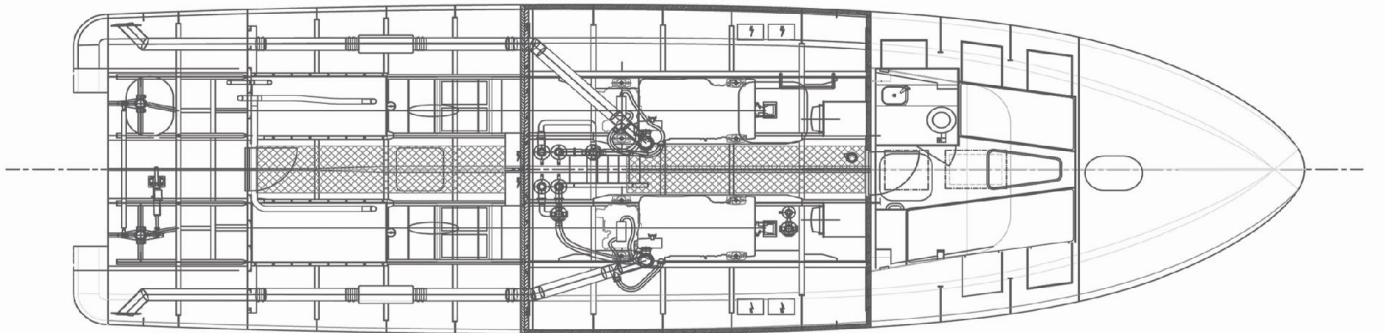
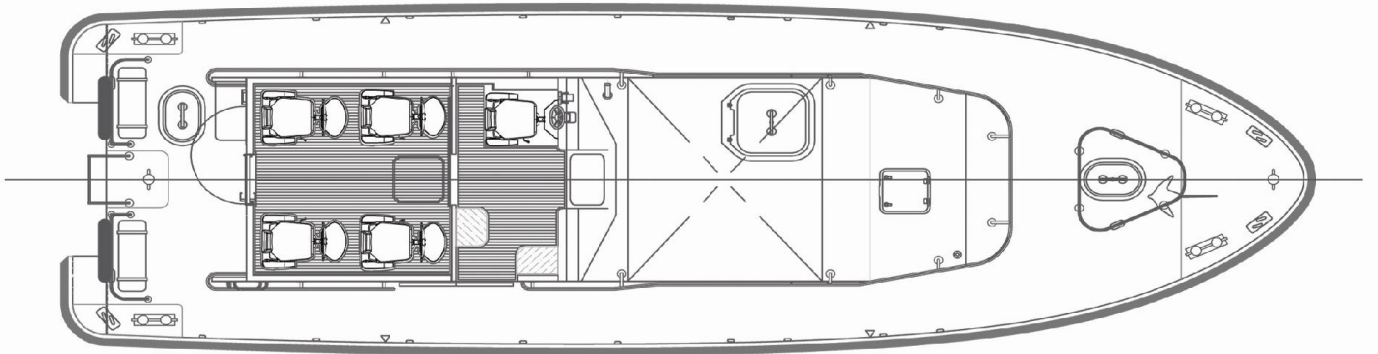
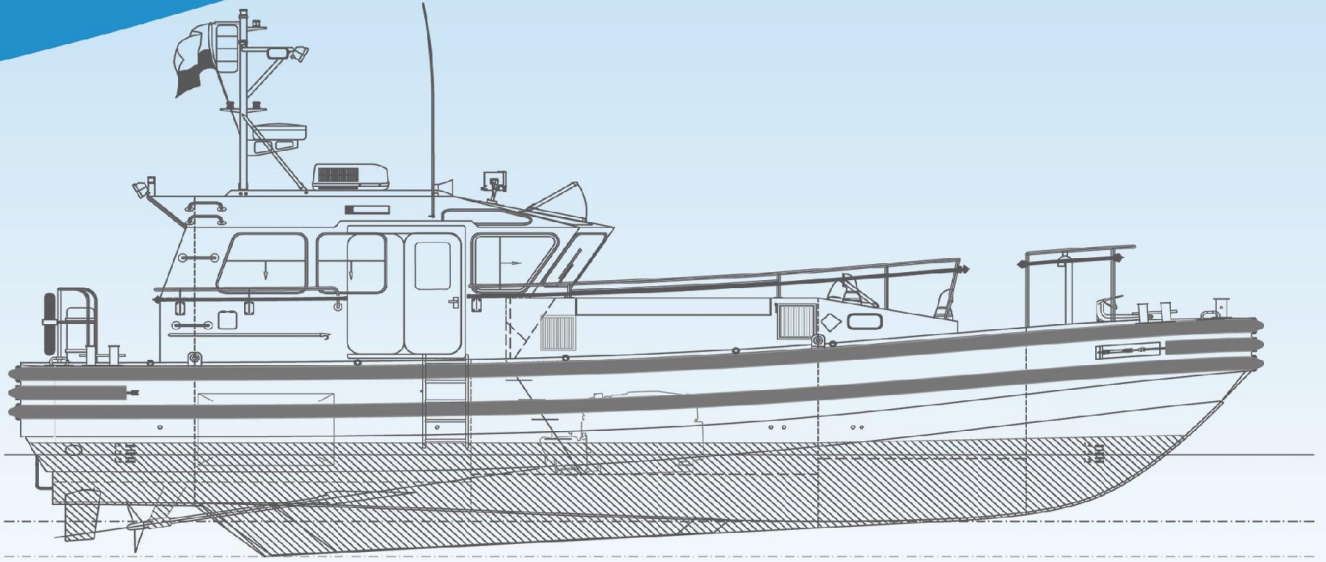
Pilot and Patrol Boats

The Pi series is a range of pilot boats from 14 to 21 meters. Proven performance, reliability, safety and comfort for the pilots. Also available in patrol boat versions.

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Company Products



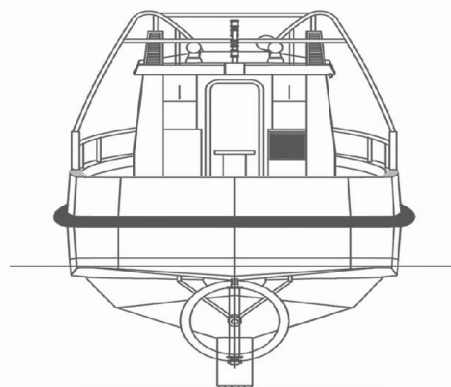
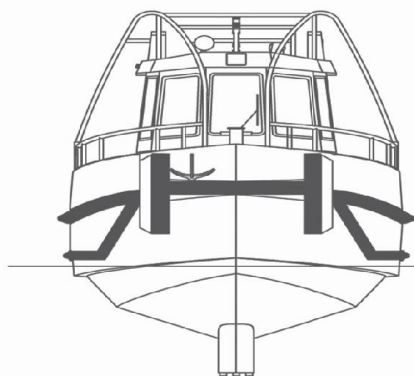
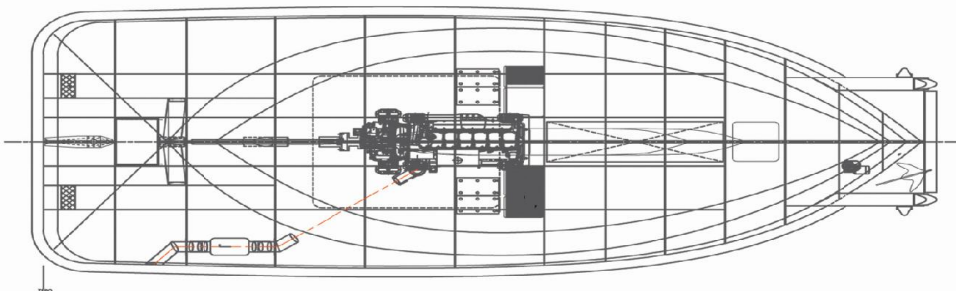
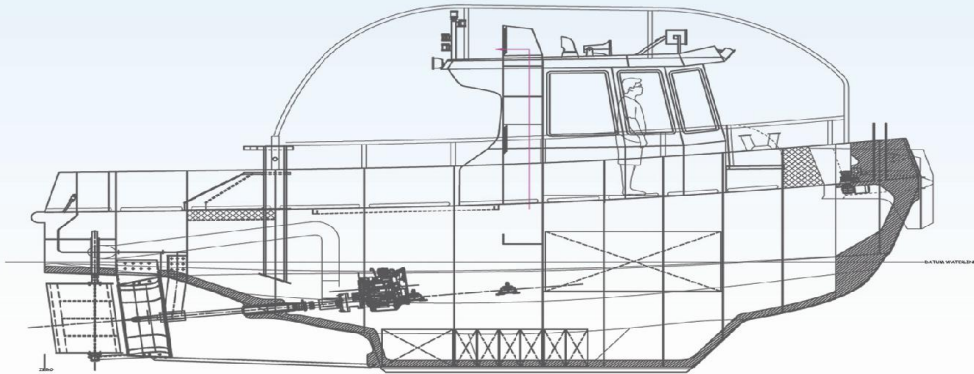
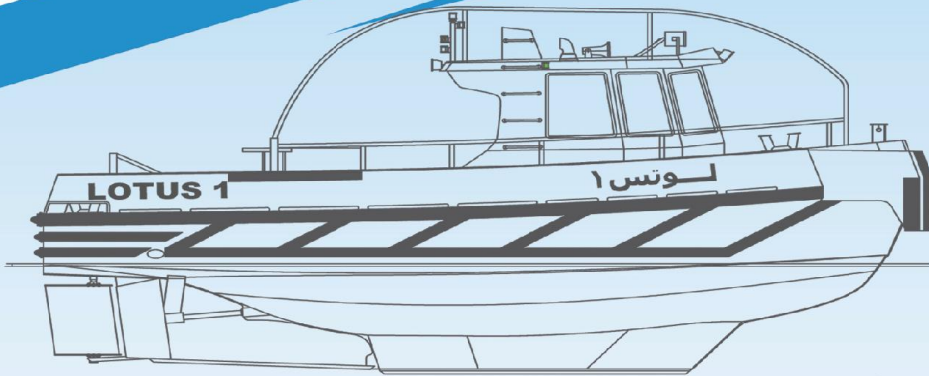
'LOTUS 1' & '2'

Boat Series / Model	MICROTUG
Owner	Canal Mooring & Lights Co. (CML)
Building Yard	Canal Naval Constructions Co. (CNC)
Application	Line Handling / Hose Handling / Tug Boat
Classification	GL: 100 A1 SSC Workboat Mono G1
Hull Material	Aluminium 5083
Length Overall	10.20 m
Beam Overall	4.04 m
Draught	1.65 m
Displacement	14.52 t (Light ship)
Bollard Pull	5 t
Max. Speed	10 kn
Fuel Capacity	1,000 L
Range (nautical mile)	> 1,000 NM @ 7 kn
Main Engine / Model	1 x SCANIA / DI12 59M 1x 294 kW / 394 hp @ 1800 rpm
Gear Boxes	ZF360 (R.R.: 2.917:1)
Propeller Type	Fixed Pitch Propeller
Nozzles	1x1010 mm Kort Nozzel
Fendering	D150 rubber fender

MICROTUG | Tug Boat

The MicroTug is a powerful, maneuverable, and quick harbor and line handling tug. With minimal crew, minimal size, very low maintenance, this is the most efficient small ship handling tool in the world today. Designed by LOMOcean Ltd., New Zealand.





Company Products



'NANO SHUTTLE'

Boat Series / Model	Nano 28
Application	Harbour shuttle / Pilot / Crew / Patrol boat
Classification	LRS: A1, Workboat Mono G1
Hull Material	Aluminium 5083
Length Overall	8.85 m with additional guard tube
Beam Overall	3.05 m
Draught	Hull only 0.45 m / Stern drive down 0.90 m
Displacement	3.80 t (Light) / 4.20 t (Operational)
Speed	26 kn @ 3300 RPM 20 kn @ 3000 RPM
Fuel Capacity	280 L
Main Engine / Model	1x Yanmar 4LHA-STP 240 HP @ 3300 RPM / 190 HP @ 3000 RPM
Propulsion	Konrad Stern Drive
Electrical System	12V DC



NANOSHUTTLE | Harbour Shuttle

The Nano Shuttle is an immensely strong workboat that can carry up to 12 passengers. It has extreme fendering for maximum protection all round, wide side decks, and a rounded sheerline. It is very adapted to boarding moving ships: pilot and crew transfer, customs, coast guard, etc. Also as general purpose harbour shuttle, transfer boat, water taxi. Made to survive rough environments with minimum care and maintenance.

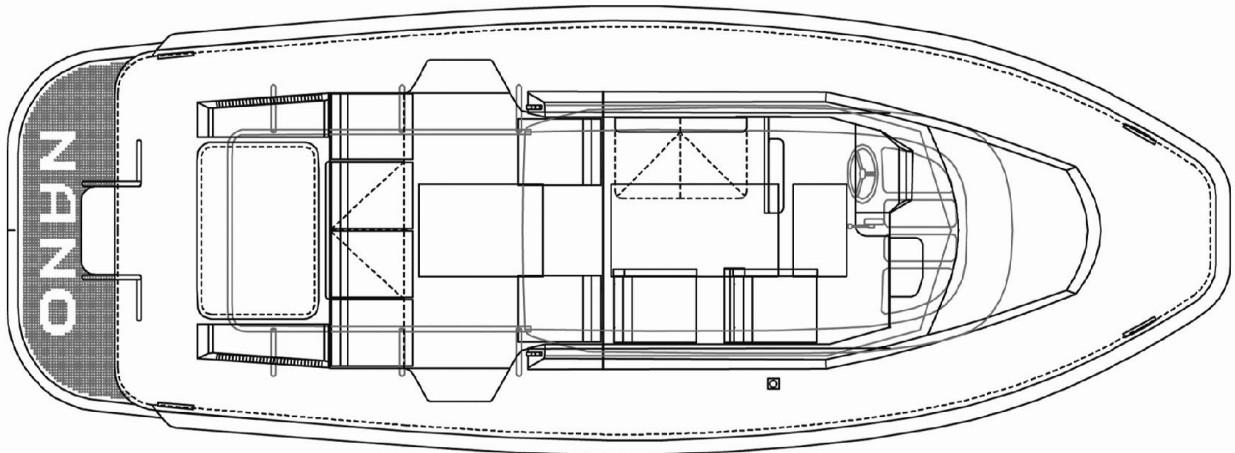
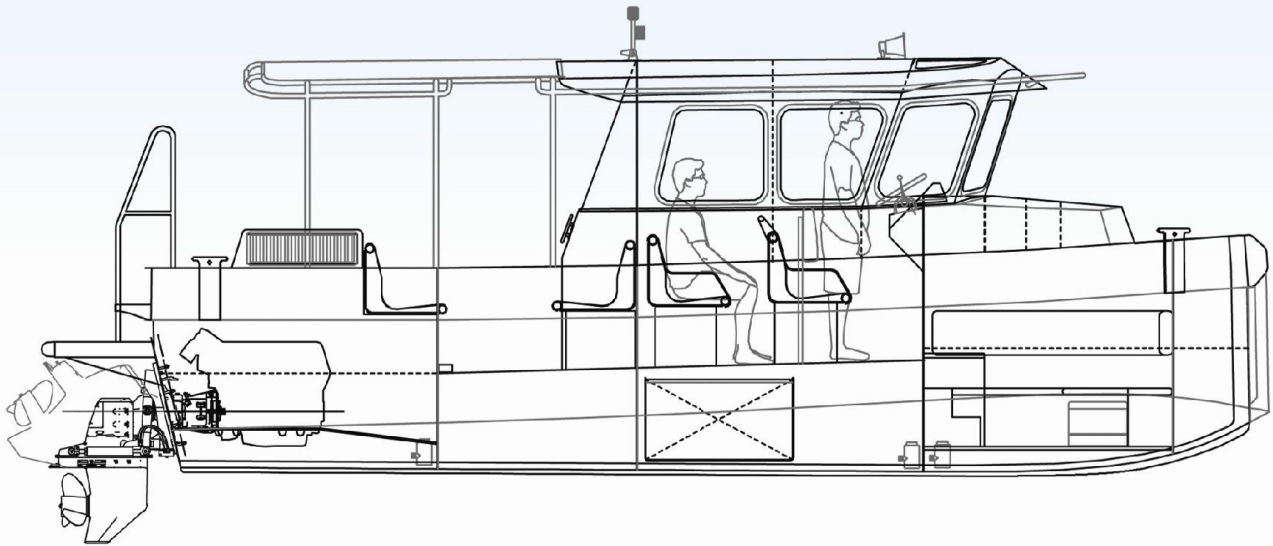
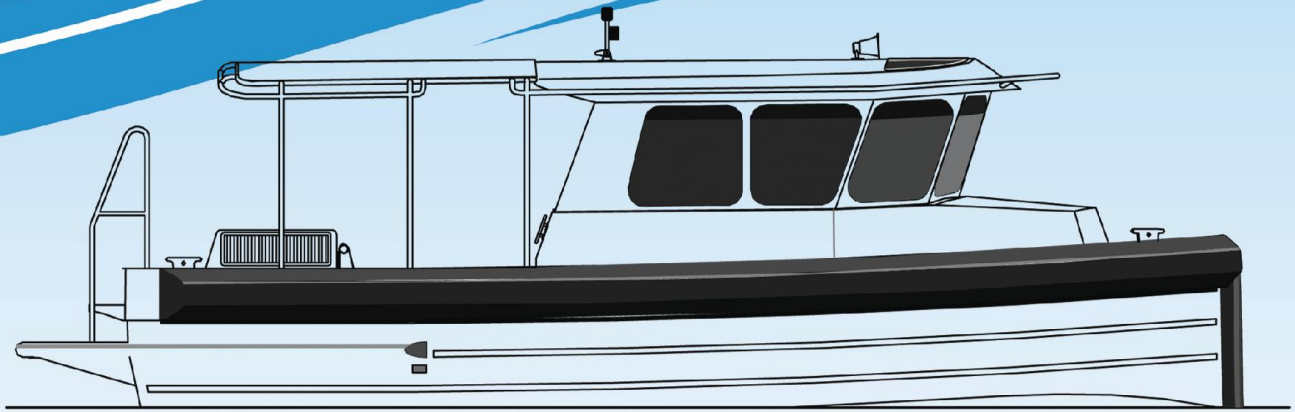
Highlights:

- 6 mm thick hull shell with 40x40 mm rubbing strakes.
- 300 mm thick foam filled collar all round.
- 150 mm rubber D-fender on stem.
- Huge engine room with easy access.
- Commercially rated engines and Konrad stern drive.
- Very dry and stable in all weather conditions.
- 360 degrees visibility and overhead glazing.
- Lloyds Register design approval.

Designed by LOMOcean Ltd., New Zealand, the same design team that designed Earthrace and Planet Solar.

The design is Lloyds register approved and the hull can be built under full survey.





Company Products



'ROBAT 902'

Boat Series / Model	Nano 21 / Air
Owner	Canal Mooring & Lights Co., Egypt (CML)
Building Yard	Canal Naval Constructions Co., Egypt (CNC)
Application	Line Handling / Hose Handling / Tug Boat
Classification	LRS: A1, Work Boat Mono G1
Hull Material	Aluminium 5083
Length Overall	6.47 m
Beam Overall	2.42 m (With fender)
Draught	0.75 m
Displacement	1.85 t (Light ship)
Bollard Pull	0.5 t
Max. Speed	13 kn (Full load)
Fuel Capacity	100 L
Main Engine / Model	Kubota / SD 467 (Water-cooled diesel engine) 49.8 kW / 67 hp @ 2600 rpm
Gearbox / Model	Twin Disk / TM93A

NANOAIR | Open Boat

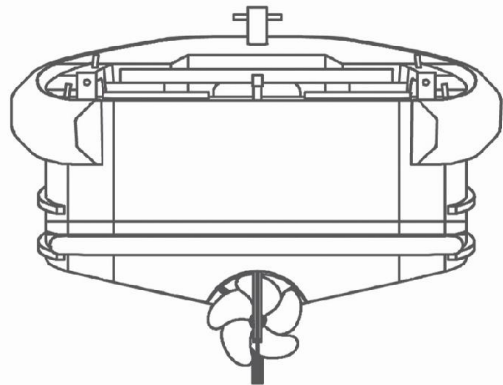
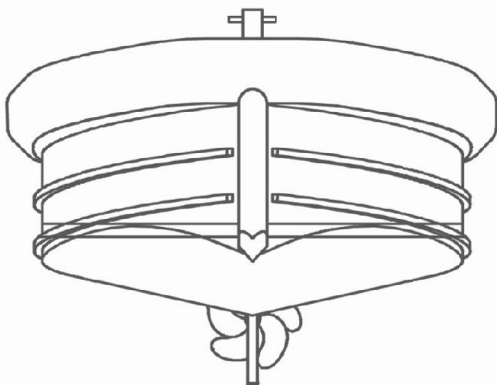
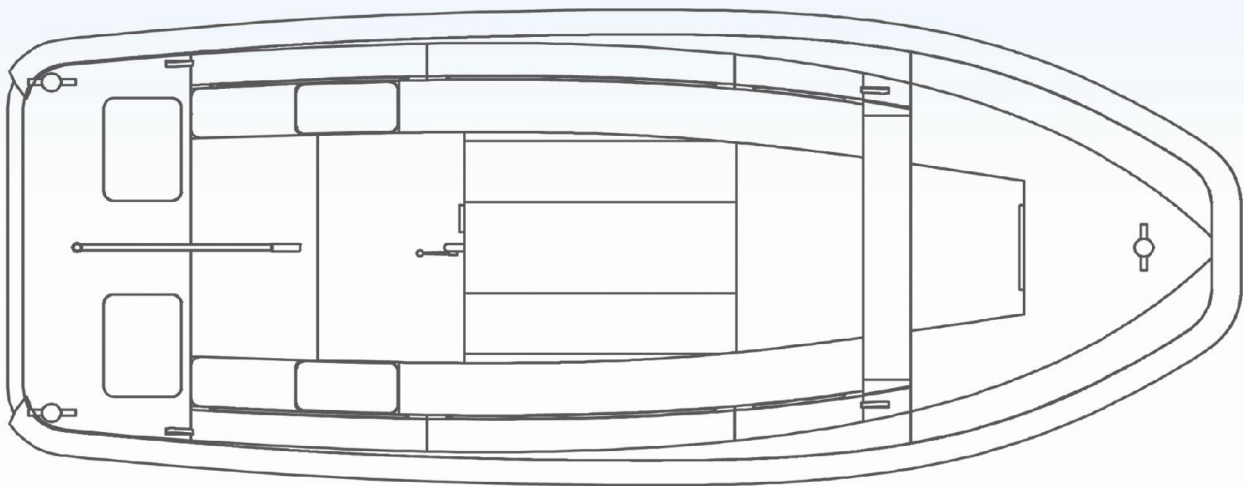
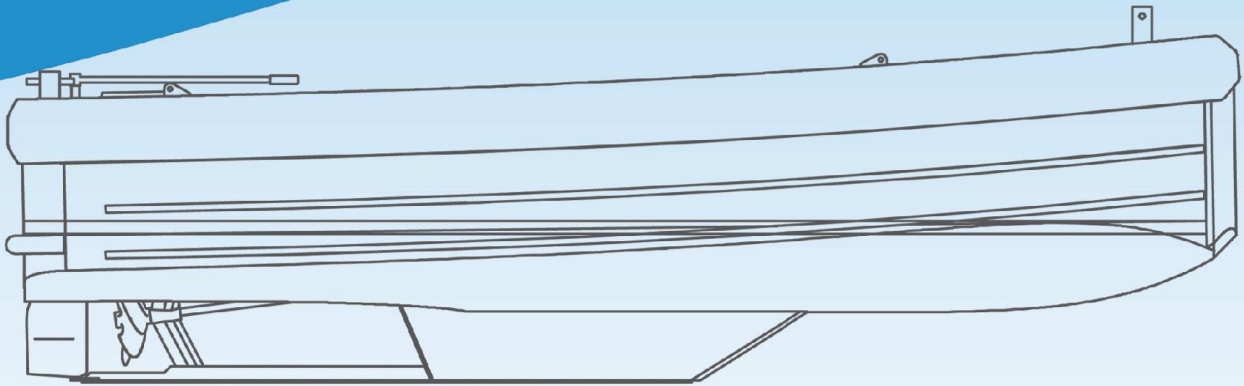
The NanoLight is a heavy duty versatile aluminium workboat with a water-cooled inboard diesel engine, optimized for medium speed and capable of pulling / pushing force of 0.5 tons.

Main features:

- Unsinkable
- Thick marine Aluminium shell (6 mm)
- Heavy duty, low RPM, inboard diesel
- Mechanical engine control
- Cast iron heavy duty gearbox
- Easy to maintain straight shaft drive with water lubrication
- Large 3 blade propeller
- Propeller protected by keel
- Large push/pull force
- Extremely fuel efficient
- Stable, soft, dry ride
- Smooth planning transition
- Oversized lifting lugs
- Lloyds Register design approval
- CE design approval
- 100% recyclable hull

Designed by LOMOcean Ltd., New Zealand, the same design team that designed Earthrace and Planet Solar.

The design is Lloyds register approved and the hull can be built under full survey.



Company Products



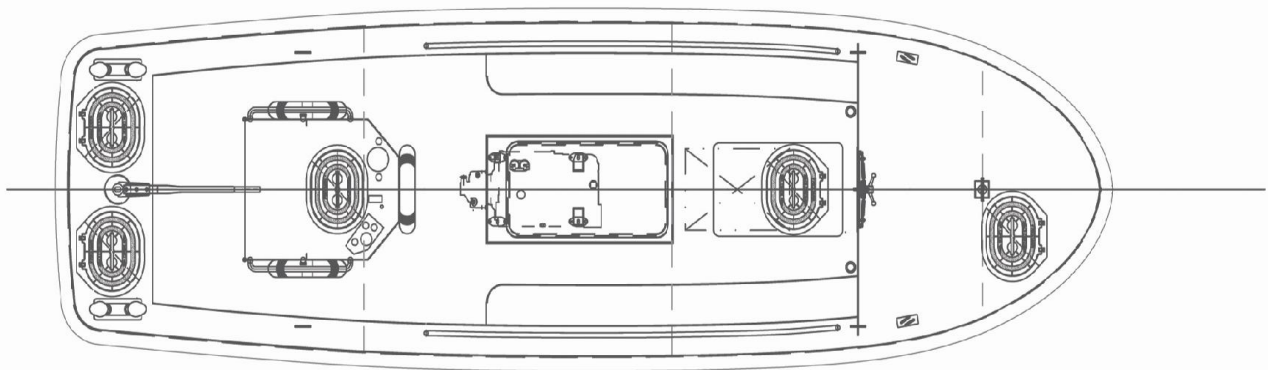
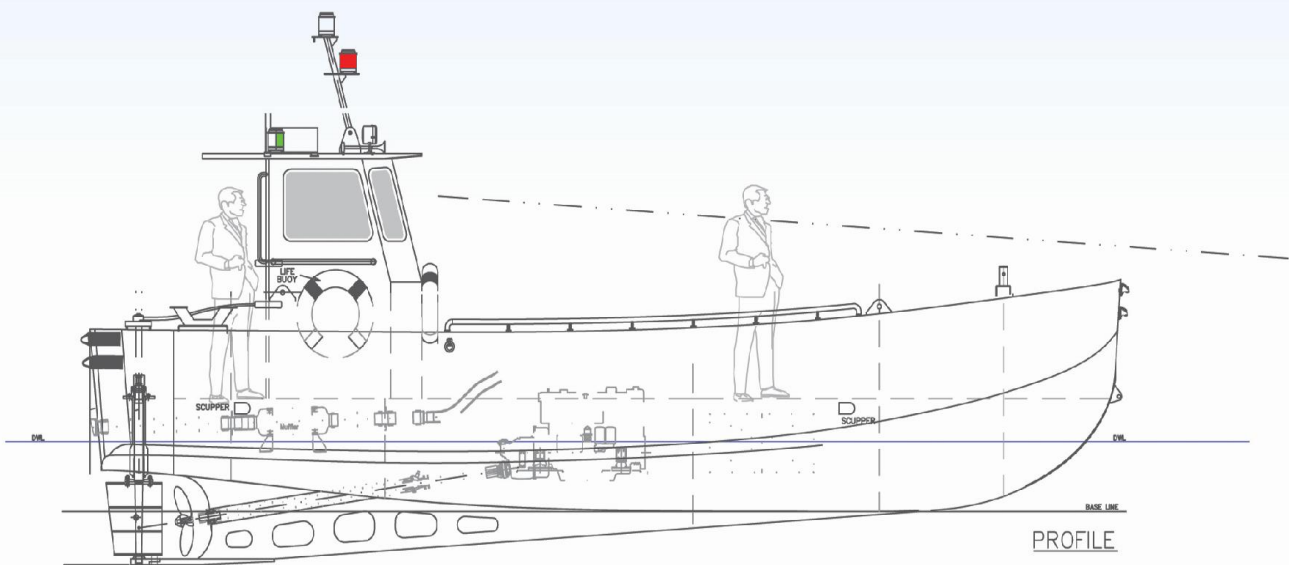
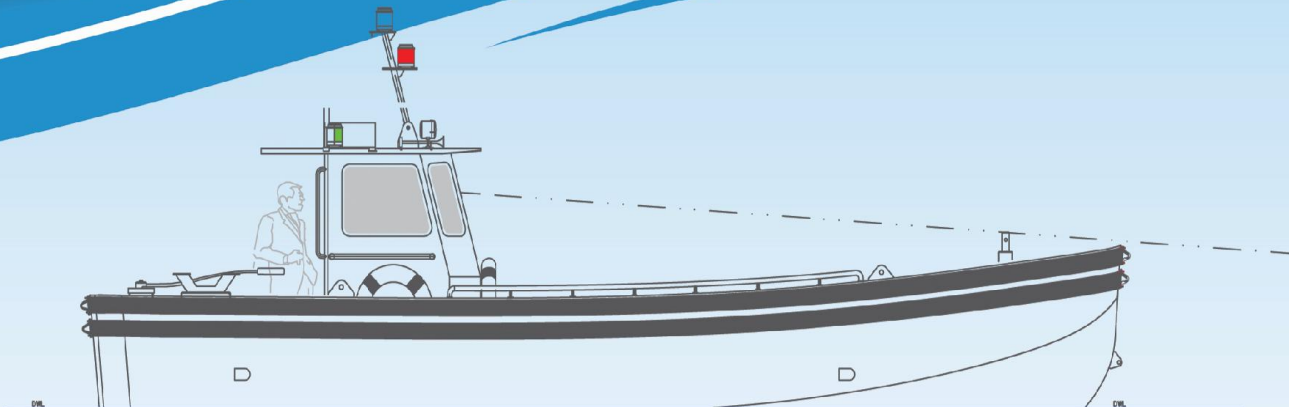
ROBAT

Boat Series / Model	WORK HORSE / Mooring Boat
Owner	Canal Mooring & Lights Co., Egypt (CML)
Building Yard	Canal Naval Constructions Co., Egypt (CNCc)
Application	Mooring Boat
Classification	+ A1 SSC Workboat Mono HSC G1
Hull Material	Aluminium 5083 Alloy
Length Overall	10.10 m
Beam Overall	2.95 m
Draught	0.98 m
Displacement	4.5 t
Speed	12 kn
Fuel Capacity	300 L
Range (nautical mile)	120 NM @ 12 kn
Main Engine / Model	Perkins engine
Power (each)	1x 130 hp 2600 rpm
Gear Boxes	ZF-63-A
Propeller / Model	Fixed Pitch Propeller
Steering Gear	Manual tiller arm
Fendering	D110 rubber fender

WORKHORSE Mooring Boat

Designed by Naval Africa.





Company Products



'ROBAT 903', '904', '905' & '906'

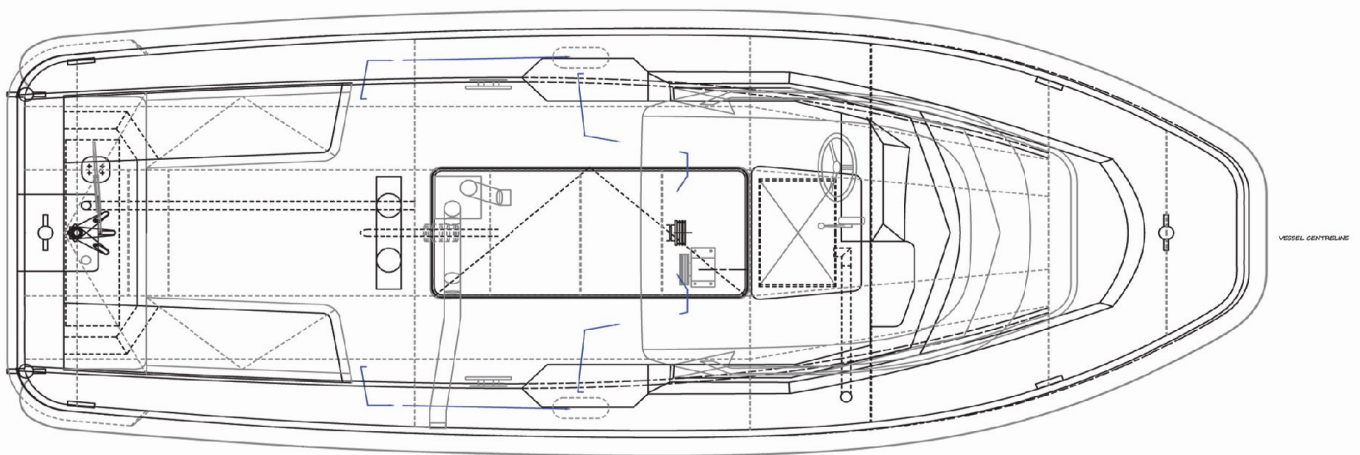
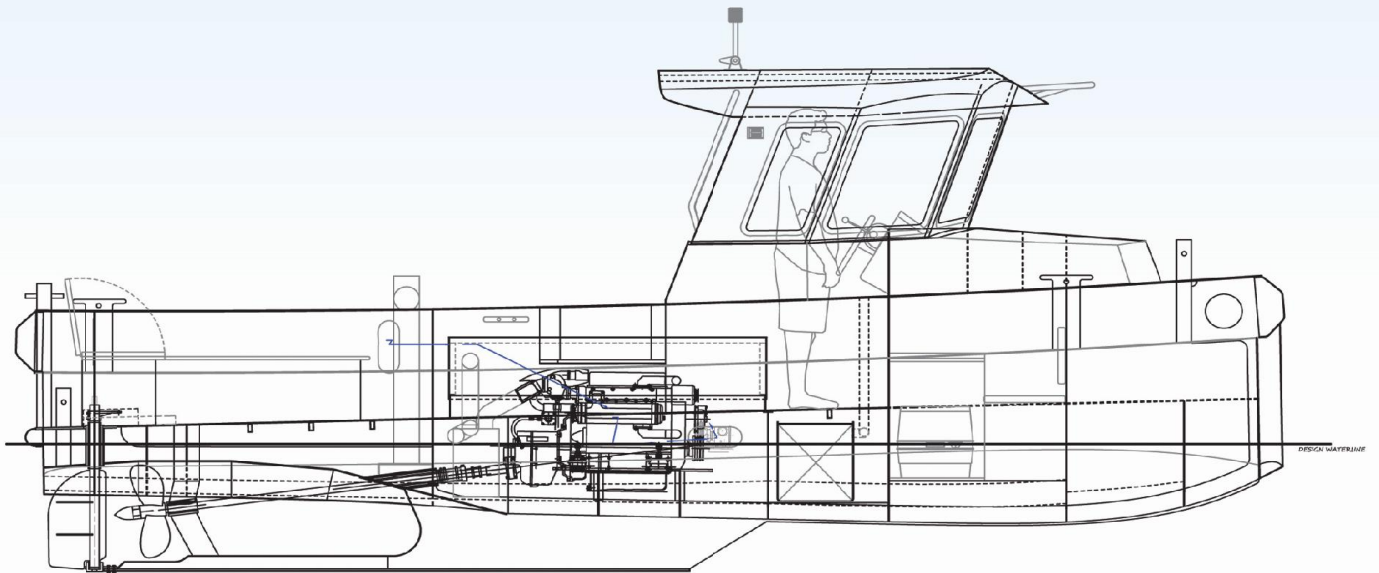
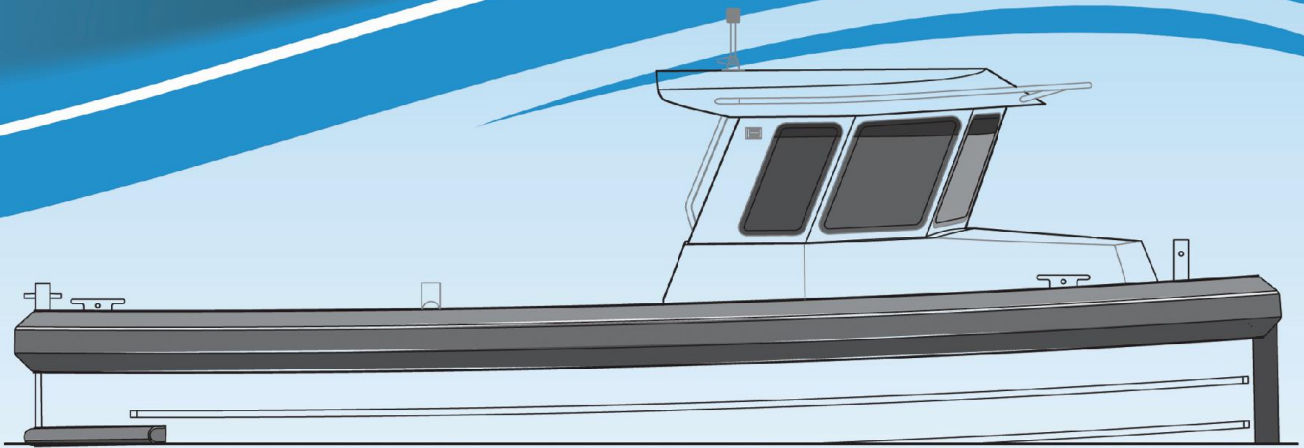
Boat Series / Model	Nano 23 / Tug
Owner	Canal Mooring & Lights Co., Egypt (CML)
Building Yard	Canal Naval Constructions Co., Egypt (CNC)
Application	Line Handling / Hose Handling / Tug Boat
Classification	LRS: A1, Work Boat Mono G1
Hull Material	Aluminium 5083
Length Overall	6.90 m
Beam Overall	2.55 m (With fender)
Draught	0.75 m
Displacement	2.6 t (Light ship)
Bollard Pull	0.75 t
Max. Speed	13 kn
Fuel Capacity	100 L
Main Engine / Model	Kubota / SD 485T (Water-cooled diesel engine) 63 kW / 85 hp @ 2600 rpm
Gearbox / Model	Twin Disk / TM93A
Electrical System	12V with 2x 100AH Gel batteries
Bilge Pump System	1x elec. bilge pump + 1x clutch pump + 1x manual bilge pump

NANOTUG | Tug Boat

The NanoTug is a heavy duty versatile aluminium workboat with a water-cooled inboard diesel engine, with no thru-hull penetrations. Designed by Lomocean of New Zealand, authors of Earthrace and Planet Solar Turanor and other award winning vessels.

Main features:

- Thick marine Aluminium
- Extreme fendering + rubbing rails
- Deep Skeg, protecting hull, propeller and rudder
- Unsinkable (voids filled with foam)
- Heavy duty, water cooled, inboard diesel
- No thru hull openings, no valves, no strainers and no water pumps
- Dry exhaust
- Cast iron heavy duty gearbox
- Straight shaft drive with water lubrication
- Large diameter propeller for high efficiency & large push/pull force
- Extremely fuel efficient
- Smooth planning transition
- Turns on a dime, despite being single prop.
- Very stable, soft and dry ride
- Wide walk around safe deck with hand grip everywhere
- Square bow for stable pushing and easy boarding
- Sheer line with rocker in plan view for easy breaking off
- Three sided wheelhouse with opening forward window(s)
- Small cabin for resting/storage/Porta-potty option.
- Towing bollard optional
- Oversized lifting lugs fit for daily lifting.
- Easy to dock on its own keel (integral chocking frame for side support)
- Trailerable (Trailer option available)
- Lloyds Register of Shipping (LRS) design approval
- Can be built under LRS survey
- CE approved
- MCA possible



Company Products



Ferry Boat 320 Ton

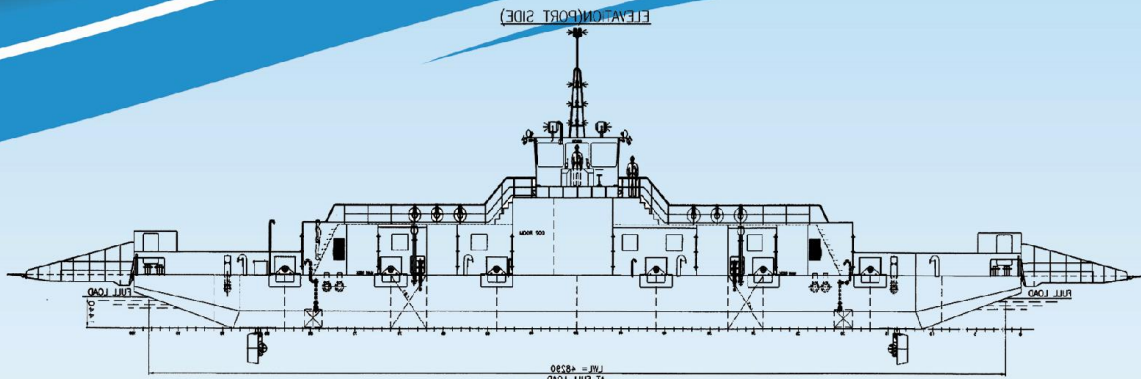
Boat Series / Model	Ferry Boat
Owner	Suez Canal Authority , Egypt (S C A)
Building Yard	Canal Naval Constructions Co., Egypt (CNCC)
Application	Ferry Boat
Classification	L R
Hull Material	Steel
Length Overall	64 m
Length over deck	50 m
Length water line	48.29 m
Frame spacing	0.50 m
Beam Moulded	15 m
Draught Loaded	1.44 m
Carrying Capacity	320 Ton
Bollard Pull	8 kn

FERRY | Passenger/ Car Ferry

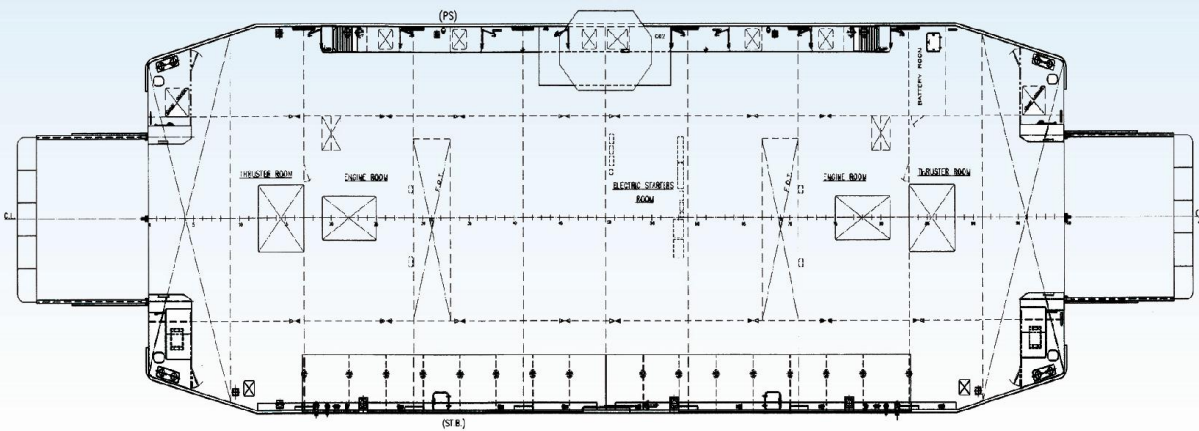
The FERRY series is a range of passenger/ car ferry, suitable for both offshore and shallow water operations.

Designed by Suez Canal Authority (SCA)

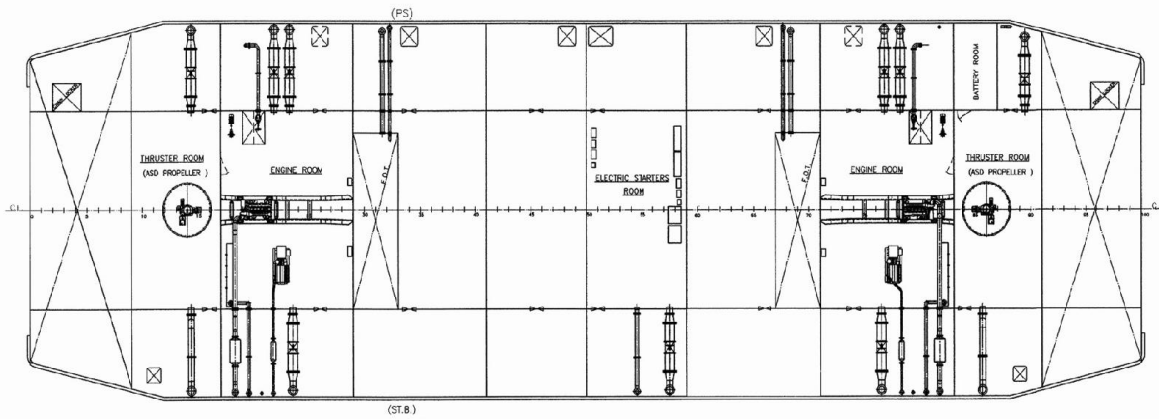




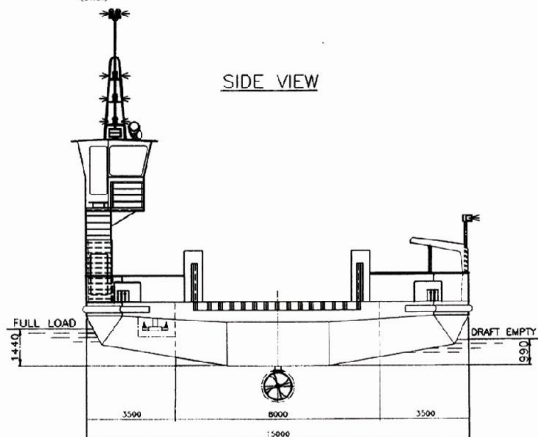
MAIN DECK



ENGINE PLAN



SIDE VIEW



Company Products



25 JANUARY

Boat Series / Model	Cutter Suction Dredger CZ 450
Owner	Fish Resources Development
Building Yard	Canal Naval Constructions Co., Egypt (CNCC)
Application	Cutter Suction Dredger
Classification	B V
Hull Material	Steel
Length Overall	26 m
Beam Overall	4.04 m
Draught	0.98 m
Main Engine / Model	Non Pro elled
Production	3000 m3h
Dredging depth	12 m
Total installed power	938 kw
Total weight	115 Ton
Pipe diameter	mm

Cutter Suction Dredger

Ample power :

The total installed power of 938 Kw ensures that all functions on board can work independently and simultan easily

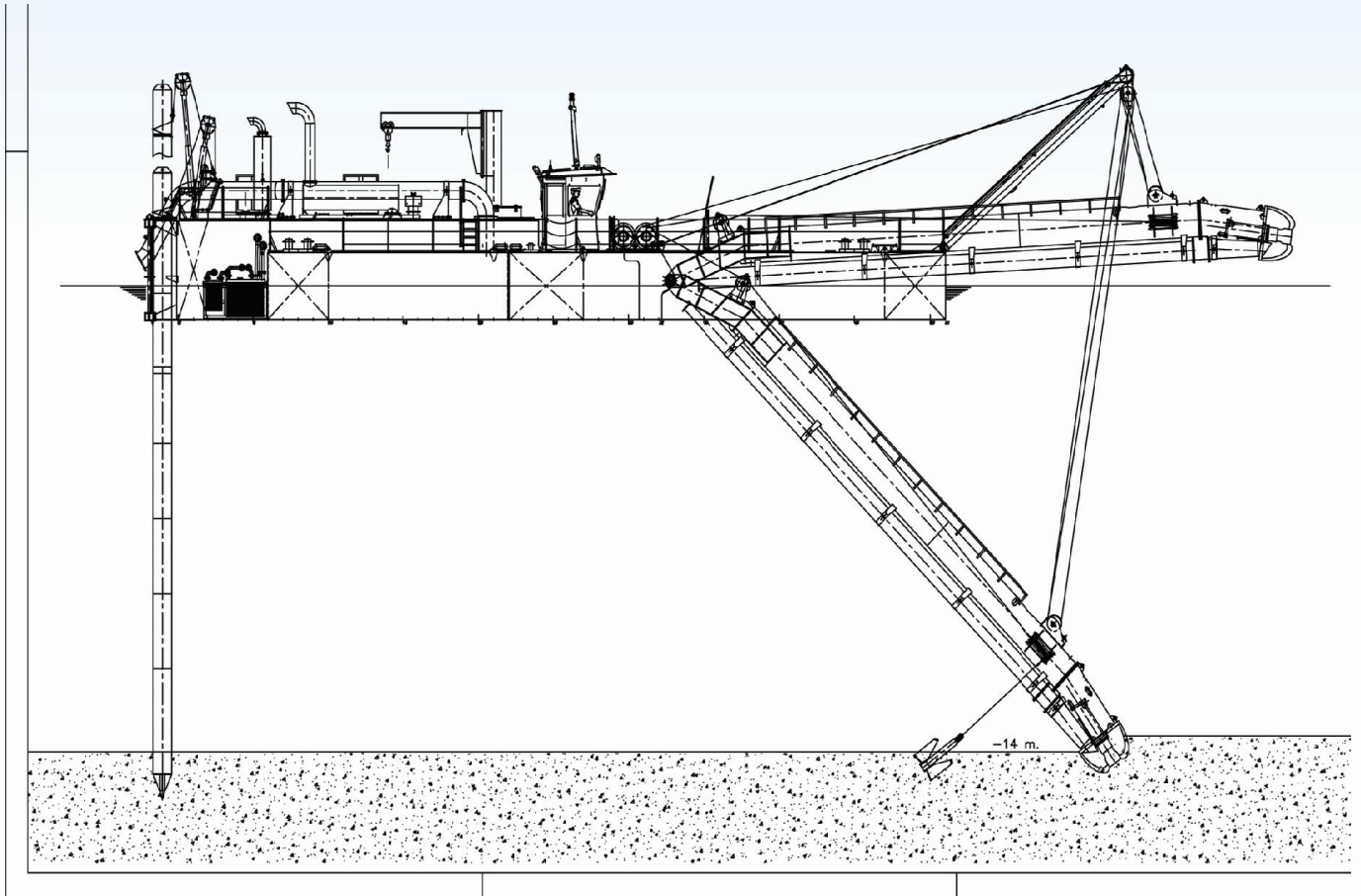
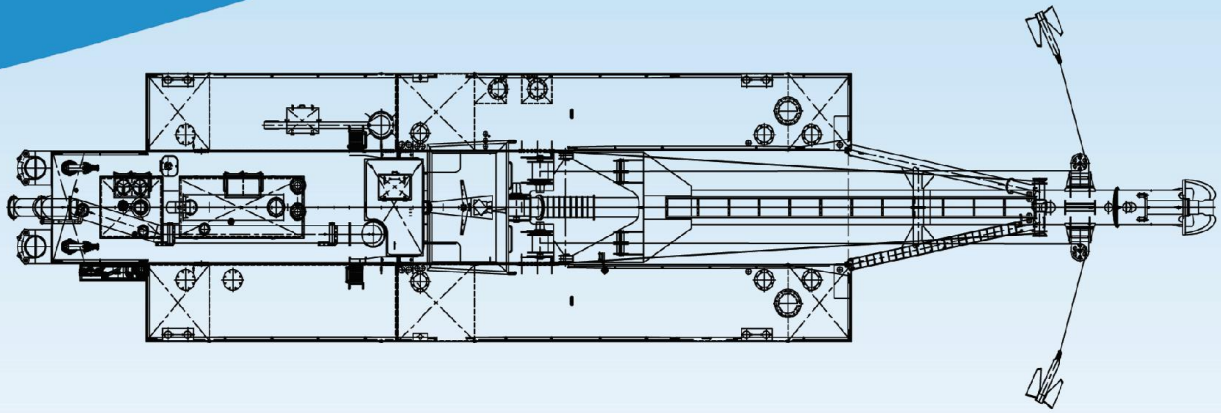
Powerful side wire :

The heavy duty 80 KN side wire winches ensure efficient dredging operations at any location.

Impressive swing width :

Efficiency of the CSD 450 is optimal as its swing width is 34m, due to the long and spacious pontoons







latitude= "31.249224"

longitude="32.311278"

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 Canal Naval Constructions



Custom Gate 57 Port Fouad P.O.Box : 550 Port Said
Tel. : 066-3400471 Fax : 066-3400601 / 3400606
E-mail:info@cncshipyard.com
www.cncshipyard.com