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ESTALEIRO RIO MAGUARI

RIO MAGUARI SHIPYARD

Since 1987

Section 1

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LOCATION



The Rio Maguari Shipyard is located in the Icoaraci District in Belém, capital of the State of Pará and gateway to the Amazon Basin.

This privileged location provides strategic facilities in terms of receiving supplies and broad access to consuming markets in

Distâncias em milhas náuticas a partir de Belém:

Roterdã (Holanda): 4180 milhas náuticas Nova lorque (Estados Unidos): 2905 milhas náuticas São Francisco (Estados Unidos): 5499 milhas náuticas Gdansk (Polônia): 4957 milhas náuticas Rio de Janeiro (Brasil): 2095 milhas náuticas Cidade do Cabo (África do Sul): 4322 milhas náuticas Lisboa (Portugal): 3254 milhas náuticas

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Overview of manufacturing shed



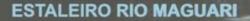
Panel fabrication line

3



CNC plasma cutting machines





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Graving Dock 1



180 x 35 x 2,5 m 2 x 15t Gantry Crane

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Graving Dock 2



120 x 22 x 4,0m 2 x 25t Gantry Crane + 50 x 30m Covered Workshop for blocks

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Our Values			
our runco		Safety and Health Care	
	Partnering Spirit		
		Legal and administrative	
	Meeting contracts	reliability	
		Financial solidity	
	Productivity		
	rioductivity		
	Product Quality	Commercial flexibility	
		Profitability	

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MAIN PRODUCTS











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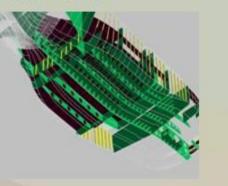
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SHIPCONSTRUCTION DIVISION

DESIGN TECHNOLOGY

Designs carried out in our shipyard are 100% automated, guaranteed by our use of a hardware and software platform, which uses the complete line of shipbuilding design from *Autoship Systems Co. and FORAN.*

All the shop drawings for structure and piping fabrication are made by our technical team using some up to date software like Mechanical Desktop and Autodesk Inventor in addition to FORAN and Autoship modules.

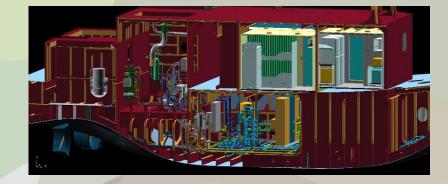




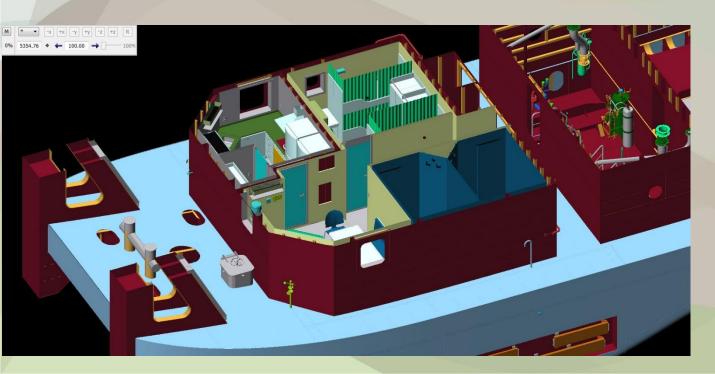


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Technical Team:

Shop drawings Fabrication drawings:

- Structure
- **Systems**
- Electrical
- Pipes
- Mechanical
- Accommodation

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50 TTE Tug

Length overall:	26,0 m
Length between F	PP: 21,87 m
Moulded beam:	8,90 m
Depth (midship):	4,80 m
Design draft:	3,80 m
Main engines:	2X2000 hp
Fuel:	diesel
Propulsion:	Z thrusters
Bollard pull:	50 TTE
Owner:	Grupo Maggi

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River pusher

Diesel-Electric

Length overall:	48,50m
Length between	PP: 44,00m
Moulded beam:	16,00m
Depth (midship)	: 3,50m
Design draft:	1,90m
Power:	3X1600 kW
Main gensets:	Wartsila 9L20
Fuel:	MF380
Propulsion:	3 z pellers
Thrusters:	ZF/HRP
Main electrics:	Ingeteam
Crew:	16



Vale







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Iron ore barges

- Project
- Construction
- Stacking and shipment
- · Shipping Belem-B. Aires
- Unstacking
- Delivery

 32 barges
 Periods

 8 months (building)
 6 months (preparation, transportation and delivery)

Owner: Vale



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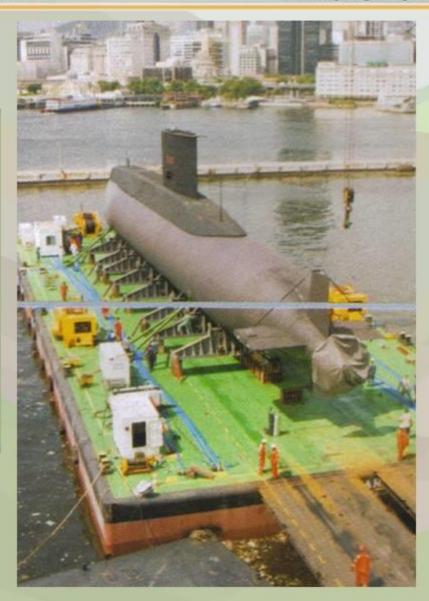
Offshore barges

6000 ton

Ocean going barges for offshore operations Capacity: 6000 ton Dimensions: 75m x 25m x 5m

Load-out operation of a submarine at AMRJ – Arsenal de Marinha do Rio de Janeiro

Owner: Locar



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River Pusher

Length overall:	19,8 m (65 ft)
Length between PP:	18,2 m (60 ft)
Moulded beam:	8,0 m (26 ft)
Midship depth:	2,8 m (9.2 ft)
Design draft:	2,1 m (6.9 ft)
Power:	2 x 600 hp
Fuel:	Diesel
Propulsion:	conventional
Crew:	8

Owner:

Transdourada (Brazil)



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River Pusher

Length overall:	19,5m (64.0ft)	
Moulded beam:	9,0m (29.5ft)	
Depth (midship)	:10,1m (10.2ft)	
Design draft:	2,1m (6.9ft)	
Power:	2x600 kW	
Fuel:	Diesel	
Propulsion: 2xSchottel SRP 330		

Design: Robert Allan Ltd. Owner: Cargill



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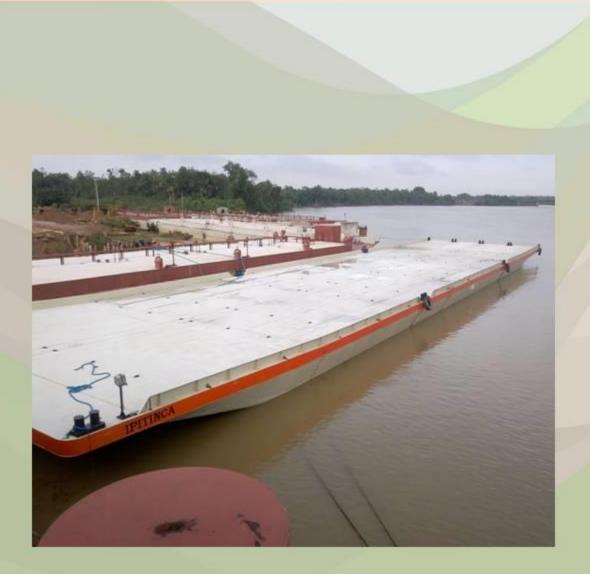
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Deck barges

Length overall:	82,0 m (269 ft)
Length between PP:	78,8 m (258 ft)
Moulded beam:	18,5 m (61 ft)
Midship depth:	2,4 m (7.9 ft)
Design draft:	1,6 m (5.2 ft)

Owner:

Delima (Brazil)



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Tank barges



Length overall:	67,0 m (220.8 ft)
Length between PP:	64,5 m (212.6 ft)
Moulded beam:	15,0 m (49.2 ft)
Midship depth:	3,7 m (12.1 ft)
Design draft:	1,8 m (5.9 ft)
Volume cargo tanks:	10,449 us bbl oil

Owner:

Perenco (Peru)



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Tank barges

Length overall:	78,2 m (256 ft)
Length between PP:	77,7 m (254 ft)
Moulded beam:	22,0 m (72 ft)
Midship depth:	4,8 m (16 ft)
Design draft:	3,9 m (13 ft)
Volume cargo tanks:	31,449 us bbl oil
Owner:	CNA (Brazil)



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Ore barge

Length overall:	80,0 m (262.4 ft)	
Length between PP: 80,0 m (262.4 f		
Moulded beam:	16,0 m (52.5 ft)	
Midship depth:	6,5 m (21.3 ft)	
Design draft:	5,2 m (17 ft)	
Cargo hold volume:	3,380 cu m	

Owner: International Iron Company (Bolivia)





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Hopper Barge

Length overall: 61,0 m (200 ft) Moulded beam: 10,67 m (35ft) Depth (midship): 4,27m (14 ft) Design draft: 3,56m (11.7ft) Cargo capacity:

1,850t (rake) 2,000t (box)

Owner: Hidrovias do Brasil





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Hopper Barge

Length overall: 61,0 m (200 ft) Moulded beam: 15,00 m (49,2ft) Depth (midship): 4,27m (14 ft) Design draft: 4,00m (13.1ft) Cargo capacity:

> 3,060t (rake) 3,250t (box)

Owner: Cargill

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Oceangoing Deck Barge





 Length overall:
 75,0 m (246 ft)

 Moulded beam:
 25,00 m (82ft)

 Depth (midship):
 4,85m (15.9 ft)

 Design draft:
 3,00m (9.8ft)

 DWT:
 6100 t

 Deck strength:
 10t/m2

 Deck area:
 1850 m2 (19,913 sq ft)

Owner: Locar / Transdata

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Pipe lay barge

Length overall:	87,5 m (287 ft)
Length between PP:	18,2 m (60 ft)
Moulded beam:	30,0 m (98.4
ft)	
Midship depth:	6,0 m (19.7 ft)
Design draft:	3,5 m (11.5 ft)
Crew:	

Owner: Locar (Brasil)









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Transhipment Ecrane Barge 1500 ton/h



Length overall:	61,0m
Moulded beam:	22,0m
Midship depth:	4,0m
Design Draft	3,0m

Owner: Hermasa (Brazil)

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Operational License

ISO 14001:2004

ISO 9001:2008

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Gracias!

Ing. Naval Fabio Vasconcellos Director Comercial

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