





- Damen Shiprepair Brest is part of the large
 Damen Shiprepair & Conversion Group
- This is a well-established repair yard with modern facilities
- With several repair quays and 3 drydocks, the yard can accomodate the world's largest vessels
- The largest dock is 420 x 80 m, one of the biggest in Europe
- Large cranage capacity is available, and up to 150t

WHO WE ARE





 The shiprepair yard offers a broad range of services for many LNG vessels

Mark III	MOSS
Mark 1	IHI SPB
NO 96	CS1
NO 88	Q-Max Mark III
NO 85	Q-Flex Mark III
NO 82	

 Our highly skilled workforce is particularly well known for its vast LNG tanker expertise.

WHO WE ARE



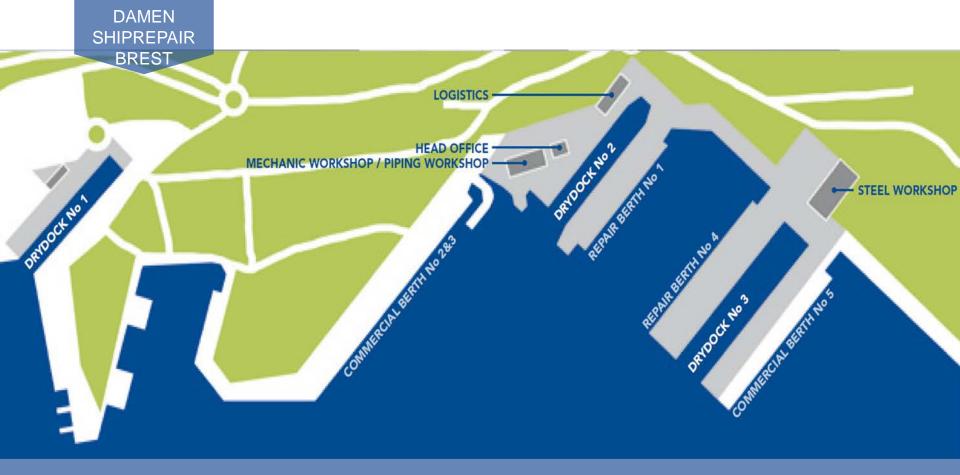


DAMEN SHIPREPAIR BREST

- One of the biggest docks in Europe (420x80m), shore crane, tunnel access
- Shipyard size and adjacent port terminal facilities
- Specialized LNG services (GTT license)
- Deep water quay side possibilities
- Employees: 172
- ISO certificates: ISO 9001: 2015







WHERE WE ARE





DOCKS AND QUAYSIDES

	BERTH 1	BERTH 4	DOCK 1	DOCK 2	DOCK 3
Length o.a. (m)			225,0	338,0	420,0
Breadth (m)			27,0	53,0	80,0
Draft (m)	10,0	10,0	7,3	10,3	10,3
Number of cranes	3	4	1	4	4
Crane capacities (mt)	90	150	30	90	150

~~<mark>~~</mark>~~

GRAVING DOCKS: 3



> 700 m BERTHS





- Shore power up to 800A 440V 60HRZ.
- Fire main up to 8 bars.
- Compressed air up to 7 bars.
- Fresh water / potable up to 5 bars.
- Ballast line up to 2,500m3/h.
- Cooling water line in Drydock No.3 up to 800 m3/h.
- Generator sets up to 2100 KVA.

UTILITIES





Well equipped machine workshops of 5,500 m², 50 machine tools, Gantry cranes up to 60t, balancing machine, etc...





MECHANICAL WORSHOP





- A 8,000 m², steel workshop
 - Gantry cranes up to 40t
 - Module prefabrication up to 150t
 - Cutting benches, roller-presses
 - Welding machines, MIG, TIG, etc...



STEEL WORKSHOP





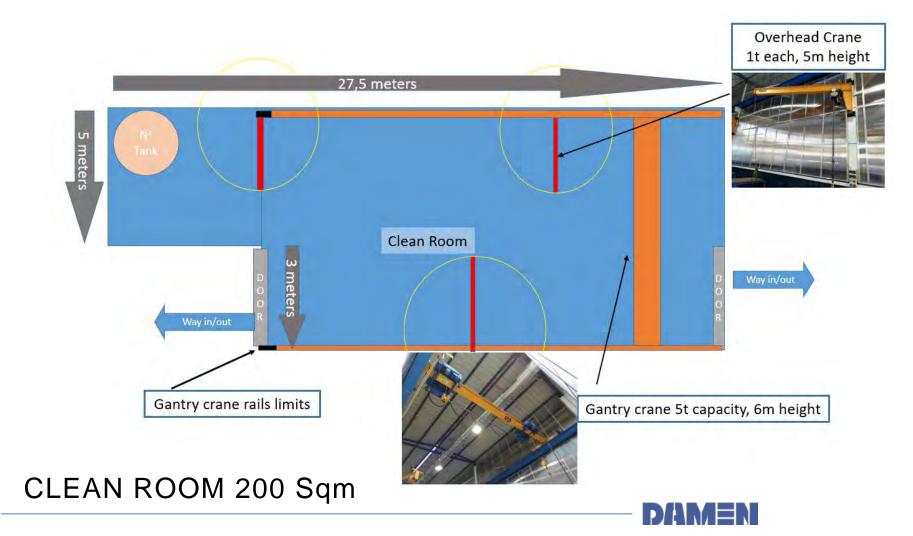
- Piping prefabrication capacity up to 1,200mm diameter.
 - Certified Welders & NDT operators
 - Hydraulic pickling and flushing plant
 - High pressure testing of piping systems
 - Boiler works
 - Own piping technicians to provide customers advanced of prefabrication drawings



PIPING WORKSHOP







DAMEN SHIPREPAIR BREST

> LARGE ENTRANCE

DOOR

3 X 3 M

Nitrogen tank for safety valve pressure tests



Electric power

- •Up to 200 A single-phase current
- Up to 200 A three-phase current



Compressed air power

•Up to 100 m3/h at 7 bar



6 fully equipped large workbenches 3 x 1m

CLEAN ROOM





- Tank opening procedures
- Tank cleaning procedures
- Tank inspection procedures
- Tank closing procedures
- Material certificates
- End documentation of all works executed and signed off.

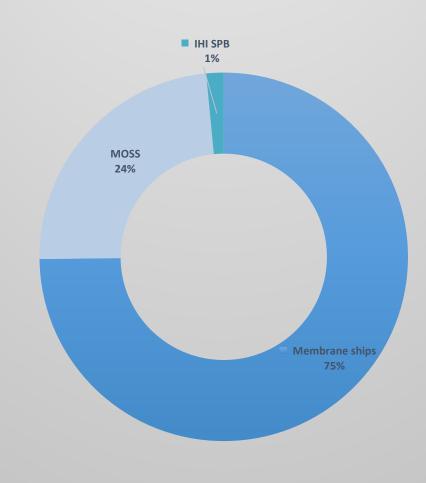


QUALITY CONTROL









132 LNG Tankers have docked at DSBr



DAMEN SHIPREPAIR BREST ARCTIC LADY
HAMMERFEST **REFERENCE LIST**





GAZTRANSPORT & TECHNIGAZ S.A.

CERTIFICATE for REPAIRS & MAINTENANCE on Membrane LNG carriers

This certificate is issued to:	DAMEN SHIPREPAIR BREST			
Date of Agreement:	Effective since 01st October, 2013			
Scope of Agreement:	Repairs & Maintenance of Membrane Type Cargo Containment and Cargo Handling Systems			
Term of Validity:	September 30 th 2021 with automatic renewal and possible termination with 3 months notice			

This is to confirm that GTT has entered into a Technical Services Agreement (TSA) with DAMEN for repair and maintenance work in Membrane type cargo tanks of LNG carriers.

Done in Saint Rémy Lès Chevreuse On September 17th, 2020

Certified by: Rémy DIRLES In-service Manager, Operations

Gaztransport & Technigaz S.A.

GTT (Gaztransport & Technigaz) SA

1, route de Versailles 78470 Saint-Rémy-lès-Chevreuse - France Tel.; +33 (0)1 30 23 47 89 - Fax : +33 (0)1 30 23 47 90







- Development (workshop tests, procedures, agreements) and carrying out controls & repairs of cracks in inner hull (against insulation of tanks)
- Repair of large areas of tank cargo insulation (primary & secondary membrane)





- Deck piping protection
- Tank entrance protection
- Tank entry monitoring
- Tank floor protection

- Global tests
- Tank atmosphere
- Tank staging

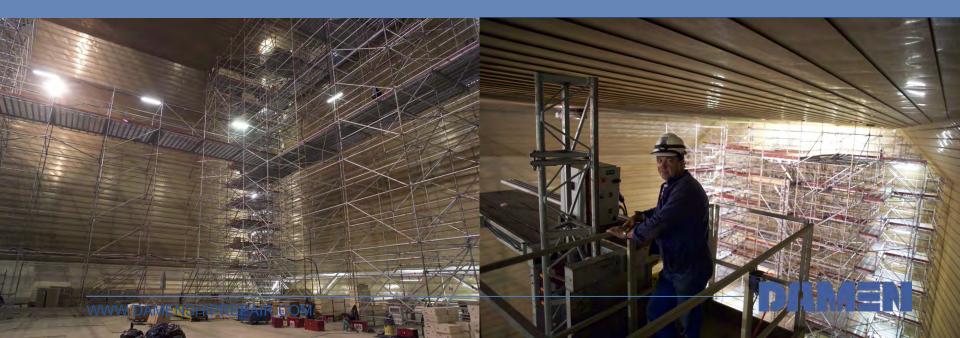








FULL OR PARTIAL STAGING







SPECIAL TOOLS FOR TRANSPORT THE MATERIAL INTO TANKS









TESTING TEMPLATE









Total operation duration: 3 days 24/7





- Permanent monitoring in close contact with ship's Cargo Engineer
- Operation accomplished with vessel in dock to save ship movement.







- Martin Ricomard
- Commercial ManagerMartin.ricomard@damen.com
- Tel: +33 6 08 56 51 57



