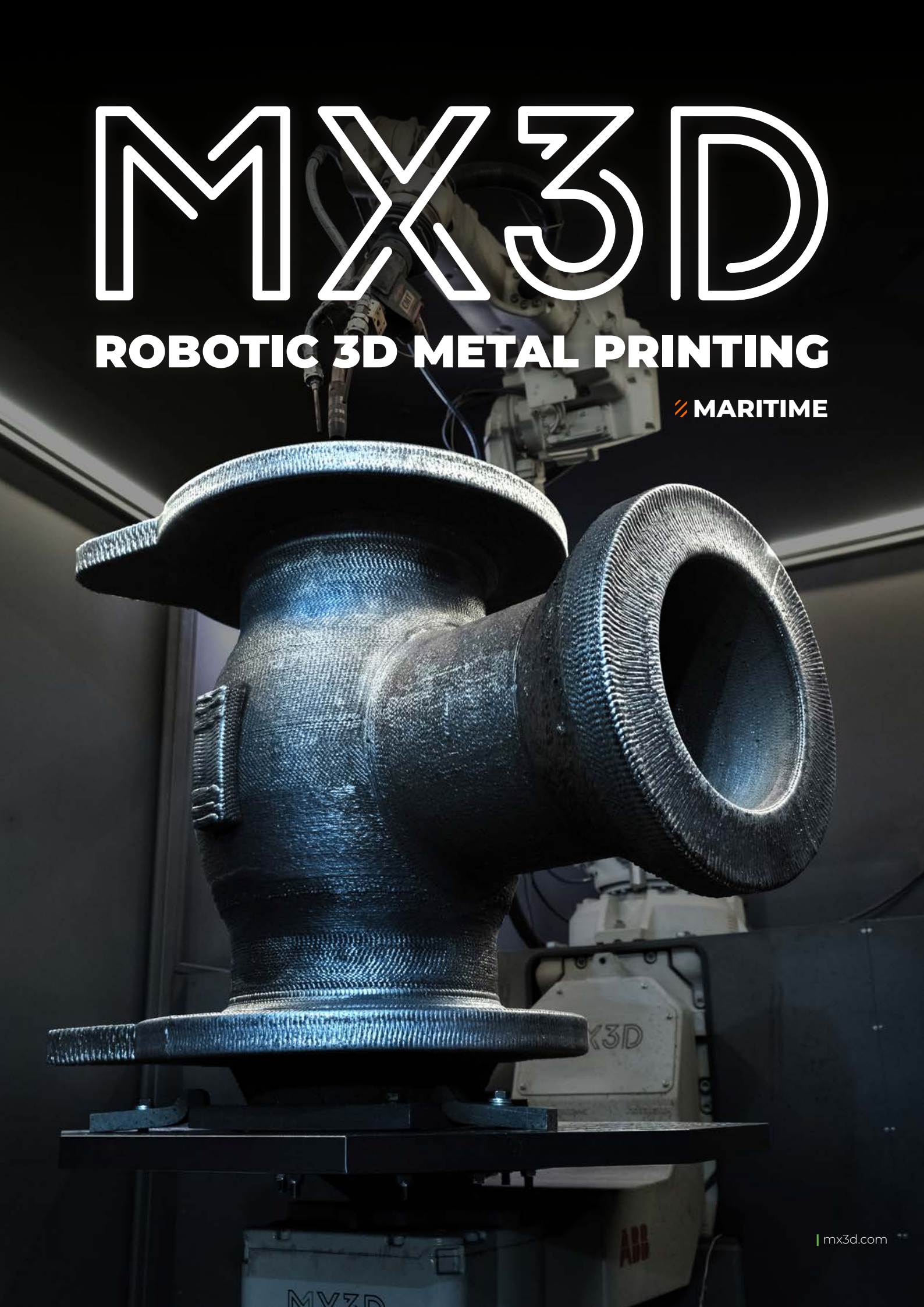
MX3D

ROBOTIC 3D METAL PRINTING

MARITIME



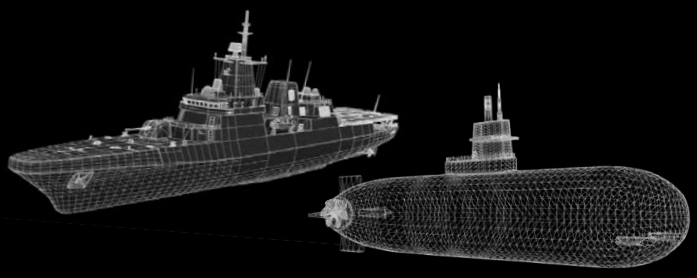
MX3D

ACCELERATING MARITIME READINESS WITH MX3D'S WAAM TECHNOLOGY

CHALLENGES

- Strained lead times in Maintenance, Repair & Overhaul.
- Spare parts are not available.
- Casted and forged parts.
- Castings can have quality issues.

> MX3D's technology is the foundry of the future!



MX3D'S SOLUTION

- MX3D enables the maritime industry to 3D print metal bigger and faster using Robotic Wire Arc Additive Manufacturing (WAAM).
- Slashes lead time by months for unique large-scale metal parts (new, optimised, replacement and/or repair).
- Parts manufacturing and repair can be done on-site or near-dock.
- Stores CAD files in a digital inventory for immediate on-demand production when future need is high.
- Reverse Engineering (3D scanning legacy parts) into 3D printing files.

> Our technology allows for on-site and on-time critical component production.

COMPANY

- World leader in robotic 3D metal printing supplying the US DoD, Framatome, DAMEN Shipyards, BMW Group, ESA, etc.
- Capable of printing complex parts larger than 5000mm and over 5 tonnes of weight.
- Provides qualified on-demand manufacturing and advanced turnkey solutions (M-Systems).
- ISO9001 certfified. Audited for API20S. Works with LRQA, DNV, and Bureau Veritas.
- Highly experienced in (stainless/high strength/duplex) steels and others such as Inconel, copper and NiBrAl.
- Can meet strict certification requirements, including nuclear, naval, and maritime parts.
- Largest production facility in Europe, with 15+ robots running.

> MX3D is the go-to company for qualified metal 3D printed naval parts of any size.

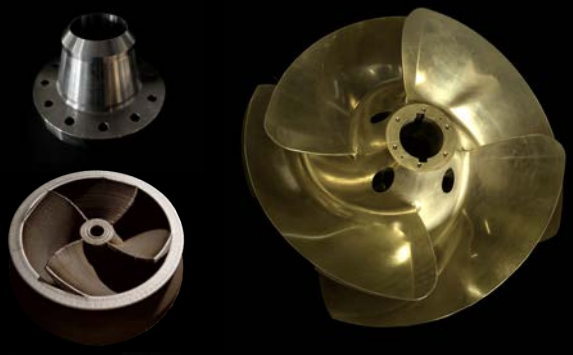
APPLICATIONS

Propellors	Hull Sections	Rudders	Hinges	Valves	*For large-scale parts,*
Impellers	Structural Parts	Flanges	Bulkheads	Connectors	*also in specialty materials*

BENEFITS

- Increased strategic autonomy.
- Significantly faster parts delivery.
- Obsolete parts manufacturing through reverse engineering.
- Significantly improved supply chain resilience
- Domestic/local part production enablement.
- Spare parts inventory level reduction.
- Immediate on-demand parts manufacturing capability.

> MX3D makes companies become more autonomous, efficient and resilient to supply chain disruptions.





DAMEN · DNV · KM YACHTBUILDERS · framatome · ENGIE · EDF · U.S. Department of Defense

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