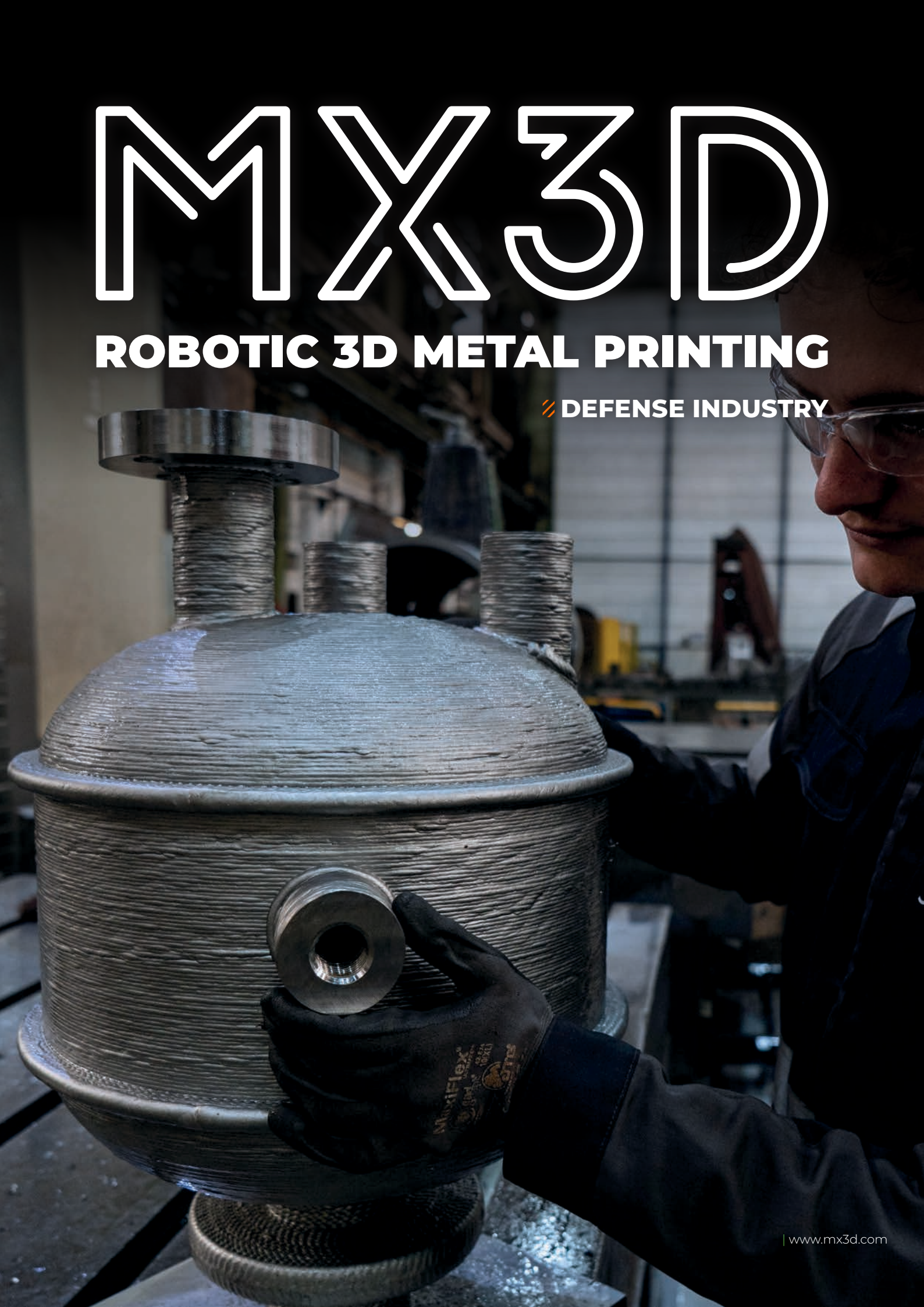
MX3D

ROBOTIC 3D METAL PRINTING

DEFENSE INDUSTRY



MX3D

INCREASING OPERATIONAL READINESS WITH MX3D'S WAAM TECHNOLOGY

CHALLENGES



- Unreliable resupply lines and distant manufacturers.
- Critical metal components and replacement parts have long lead times.
- Obsolete legacy parts with no original 2D/3D drawings or suppliers available.
- Costly physical warehousing for spare parts.
- Extensive lead times for quick repairs.

> MX3D's WAAM technology is the ultimate tool for strategic autonomy.

MX3D'S SOLUTION

- MX3D enables defense organizations to 3D print metal bigger and faster using Robotic Wire Arc Additive Manufacturing (WAAM).
- Slashes lead time by months/weeks for medium- to large-scale metal parts (new, optimised, replacement & repair).
- We provide turnkey systems to produce and repair metal parts on-site.
- Use reverse engineering with the connected 3D Scanner to manufacture legacy, obsolete and repair parts.

> MX3D builds turnkey systems allowing for on-site & on-time production of mission-critical defense components.

COMPANY

- World leader in robotic 3D metal printing, supplying military and naval organizations.
- Provides qualified on-demand manufacturing and advanced turnkey solutions (M-Systems).
- Largest production facility in Europe, with 15+ robots running.
- Capable of printing complex parts larger than 5,000mm and over 5 tonnes of weight.
- MetalXL enables real-time process monitoring and control, ensuring every build is traceable, repeatable, and high-quality.
- Certified for DNV-ST-B203 AMC and ISO9001. Audited for API20S. Works with LRQA, DNV, and Bureau Veritas.
- Highly experienced in steels, aluminium, Inconel and copper, including relevant CuNi 70-30, Mil-100S en NAB.

> MX3D ensures high-quality printing of mission-critical metal components.

APPLICATIONS

- Submarine Thruster Blades
- Fluid Control Valves
- Pressure Vessels
- High-Pressure Manifolds
- Armored Hull Sections
- Blast-Resistant Nodes
- Launch Structures
- Structural Airframe Parts
- Wing Assembly Jigs
- Emergency Clamps
- Corrosion-resistant Propellers
- Gear Housings / Casings

BENEFITS

- Increased strategic autonomy.
- Significantly faster parts delivery.
- Maximize operational readiness.
- Obsolete parts manufacturing through reverse engineering.
- Spare parts inventory level reduction through digital warehousing.
- Significantly improved supply chain resilience
- Immediate on-demand parts manufacturing capability.

> MX3D makes military and naval organizations more autonomous, efficient and resilient to supply chain disruptions.







NATO OTAN

U.S. Department of Defense

DAMEN

CERTIFICATE OF QUALIFICATION DNV DNV-ST-B203

ERDC

FFI Norwegian Defence Research Establishment

JOSCAR REGISTERED

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