

NOMAD®03

Deployable Metal Additive Manufacturing Micro Factory

The NOMAD®03 is Fieldmade's most advanced additive manufacturing (AM) micro factory. It is housed in a 20ft shipping container that (semi-)automatically unfolds and levels, and has a dedicated printing cell and separate part design space. It houses a fully integrated, ruggedised metal Powder Bed Fusion (PBF-LB/M) machine and Fused Filament Fabrication (FFF) technologies that can produce parts in different high-performance metals, polymers and composites.



Enables the Production of Complex, High-Precision Components



Little Post-Processing Requirement Through PBF-LB/M



Closed-Loop Material Handling System for Operator Safety

WHY FIELDMADE



Rapid Deployment

(Semi-)automatic unpacking, set-up in 10 minutes, operational within 1 hour.



Extreme Resilience

Ruggedised, resistant to extreme weather, rough transportation and intermittent power.



On-Demand Manufacturing

Reduces supply chain complexity, lead times, and logistics costs.

Defence

Energy

Shipping

Mining

Flexibility: Available as a Product or Service.
Support Plan: Maintenance & Reach-Back / Field Support.



www.fieldmade.no



info@fieldmade.no



Ole Deviks vei 14B, 0666 Oslo, Norway



TECH | INTERNATIONAL
WINNER

NOMAD®03

Key Technical Features

CASE STUDY

World's First On-Demand Spare Part Production Pilot for the Energy Sector

Johan Castberg FPSO | Stord, Norway |
Oct 2022 – May 2024

Duration	18 months
Unique Cases	550+
Parts Produced	9,400+
Materials Used	850 kg 316L 250 kg IN625 400+ spools Onyx
Compliance	API 20s, DNV-ST-B203

Highlights:

- 1-year target met in 4 months.
- Operated 12 hrs/day by 1 engineer.
- On-site production saving years of ordering lead time, ensuring timely project delivery.

Technology

PBF-LB/M

- **Machine:** Custom-built DMG Mori Machine.
- **Build volume:** 300x300x300 mm.
- **Materials:** Two material modules for flexible production (e.g., Stainless Steel, Inconel).

FFF

- **Machine:** Options available upon request.
- **Materials:** Wide range of different polymers and composites.

Shelter & Deployment

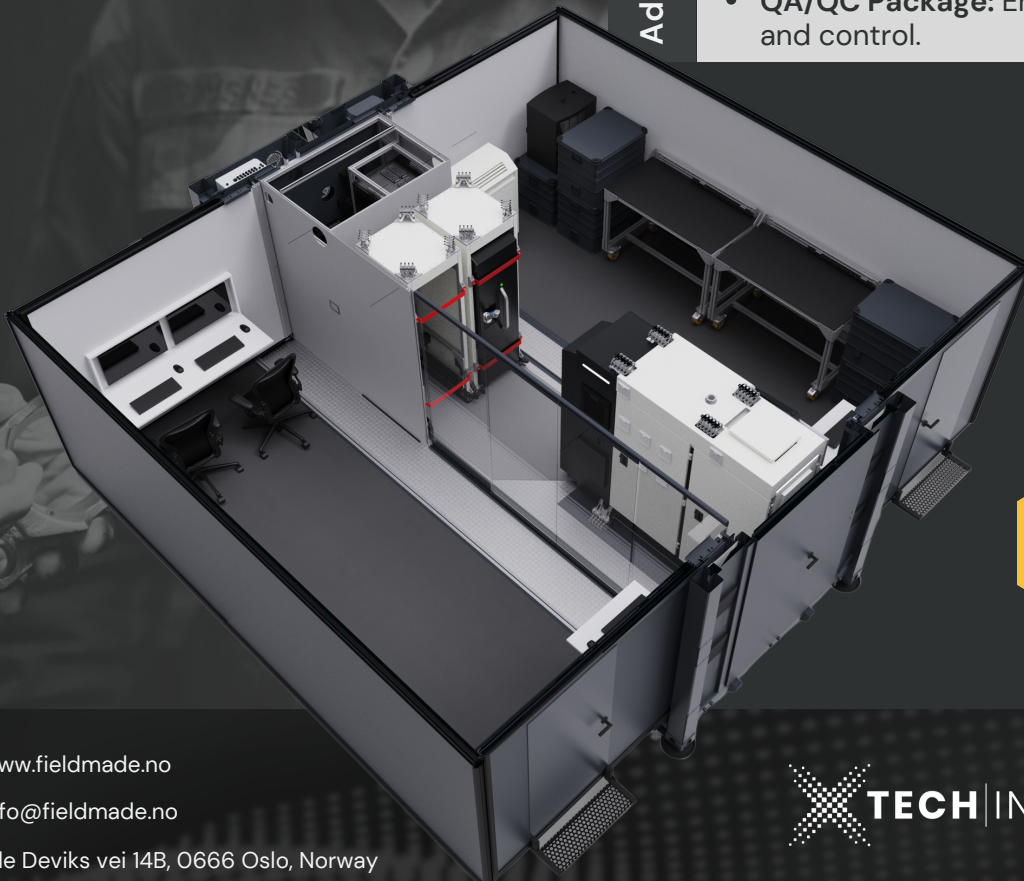
- **Container:** 20ft double expandable.
- **Weight:** 12 tonnes.
- **Certification:** CSC approved.
- **Set-up:** Semi-automatic unpacking and automatic levelling, operational in under 1 hour.
- **Stabilisation:** Reinforced stabilising systems for safe transport and operation.

Control, Safety & Power

- **Climate Control:** Separate, temperature-regulated cells, AC, de-humidifier.
- **Material Handling:** Closed-loop system to reduce operator exposure.
- **Uninterrupted Power:** Dual redundant sources for reliable operation, connects to land power, converts to 3-phase.

Add-on

- **Digital Inventory:** Advanced asset management solution.
- **QA/QC Package:** Enhanced quality assurance and control.



Instructor

Advanced

Basic

Training Packages



www.fieldmade.no



info@fieldmade.no



Ole Deviks vei 14B, 0666 Oslo, Norway



TECH | INTERNATIONAL
WINNER