

MELTIO

Meltio

for the Defense Sector



# Enhanced operational readiness and resiliency

---

## 1. Material versatility

---

Meltio technology can work with a wide range of common military-grade metals, including stainless steel, titanium, copper, and Inconel. This allows for the production of parts with high strength and density, corrosion resistance, and heat tolerance.

## 2. On-demand part production

---

The reality is that part obsolescence and supply chain fragility have a direct impact on defense readiness. Meltio's technology allows for the rapid creation of replacement parts for legacy systems, ships, and vehicles that are no longer supported by manufacturers. This can drastically reduce lead times from weeks or months to just hours, giving a strategic advantage to those looking to maintain operational dominance and remain at the tip of the spear.

## 3. Rapid prototyping & R&D

---

End users gain the ability to quickly iterate on designs for new components or specialized tools. This minimizes reliance on external providers and accelerates the development cycle for new military hardware.

## 4. Manufacturing

---

Obsolete spare parts	Legacy components no longer manufactured by the OEM
Replacement parts at point-of-use	Components that cannot be stocked in remote locations or on the battlefield
Prototypes	Develop unique and innovative parts and tools
Huge cost and time savings	Worn components can be rebuilt and machined with tolerance for critical surfaces

## 5. Repair

---

Worn-out parts	Legacy components, still viable if geometry is correctly restored
Battle-damaged equipment	Repair on the battlefield of components damaged during combat

# Trusted by

---



- US Projects
- Ship
- Jet Engine
- xTech Program



- Container Mobility System
- Spare parts components



- Jet Engine Repair
- Armored Vehicle Spare Parts



- AM for Land Forces ES



Koninklijke Marine



BUNDESWEHR



Sandia  
National  
Laboratories



# Manufacturing at the point of need

---



## SAMM Tech - Snowbird

---

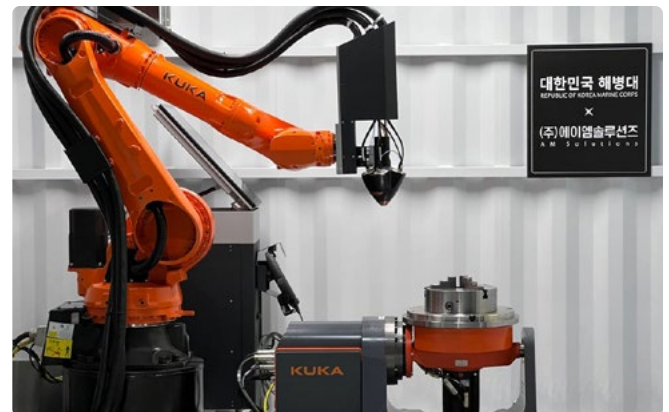
Meltio's metal wire-directed energy deposition (DED) print Head with a FANUC-controlled CNC system into a portable shipping container



## Additive Manufacturing with Mobile Smart Factories - AM Solutions

---

Container-type mobile metal 3D printer



# Overcome supply chain fragility

---

## High resolution near net shapes

---

Artillery shells  
Hollow charge liners  
Missile cones

## Fixturing

---

Engine repairs  
Expedient repairs on battlefield

## Repair and feature addition

---

Manufacturing tools  
Molds for composites

## Large and complex parts

---

Blisks  
High resolution





Get to know us!

[www.meltio3d.com](http://www.meltio3d.com)

Global supply chain disruptions threaten defense readiness. Meltio provides the solution: on-demand metal part production with autonomous Wire-Laser Metal 3D Printing.

Our technology combines safety, reliability, and easy integration. With Meltio, defense forces now possess viable options to overcome supply chain fragility, extend platform lifecycles, and ensure availability of critical components in contested environments at the point of need.

