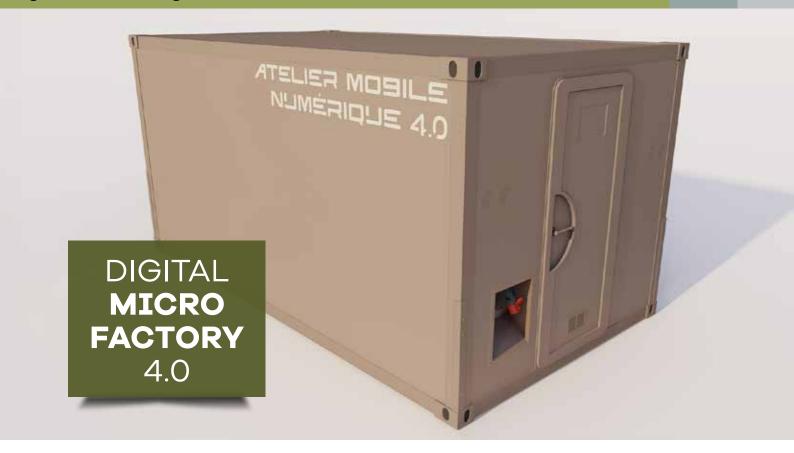


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## Digital solutions integrator



#### **DEFENSE - INDUSTRY - HUMANITARIAN - EDUCATION**

Modular, Scalable and Deployable **Micro Additive Manufacturing Factory**, ensuring industrial production quality, through the validation of a special process that combines the use of custom machine parks, a qualified process, a controlled environment and production management, in order to meet the upcoming ISO/ASTM 52903-2 certification for Additive Manufacturing of Plastic Materials using material extrusion.





## **MODULAR**

- Modular design enabling adaptive integration into 14" or 20" shelters or refurbished CSC containers.
- The internal layout is designed to accommodate various production units: wire deposition printing, resin and metal.

#### SCALABLE

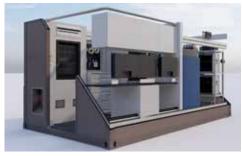
Control and supervision of onboard devices an Industrial Internet of Things (IIoT) infrastructure using the Modbus communication protocol to facilitate interoperability and the integration of new technological components.

#### **DEPLOYABLE IN EXTREME ENVIRONMENTS**

 Aerotransportable mobile device, transportable on a carrier vehicle (GBC 180...) and towable on a double axle trailer.







Real-time monitoring and control of embedded systems through an IIoT (Industrial Internet of Things)

Special production process currently undergoing qualification to meet the upcoming standard.

ISO/ASTM 52903-2

## **Air Treatment**

Production area (specific pollution zone) separated from the office area with multiple levels of air filtration: cabin filtration, direct extraction, intelligent ventilation and purification.

# **Air Quality**

Control, monitoring, logging, and management of 14 environmental parameters:

Temperature, Humidity, Fine & Ultra-Fine
Particles (PM10/2.5/1), VOCs (Volatile Organic
Compounds), CO2, NO2, Sulfurous Odors,
Atmospheric Pressure, Noise, Light... Carbon
Monoxide Alarm.

# 3 versions available from 200.000€ HT

V1: Micro-Factory

V2: Print Farm

V3: Countryside Fablab

# **Energy Management**

Integrated system for monitoring and automatic regulation of the electrical consumption of each system, maximizing their utilisation within the constraints of power sources such as generators and solar panels.

## **Production Management**

Monitoring and logging of production parameters for each printer (status, plate/chamber/nozzle temperature, video, power consumption...)

## **Network Connectivity**

Use of a professional-grade connectivity module, based on state-of-the-art communication technologies, with aggregation of all available data signals (mobile, fixed, satellite) from multiple operators, to ensure a robust high-performance, unbreakable connection.



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