

MX3D developed groundbreaking industrial robotic additive manufacturing technology

Problem

Metal additive manufacturing promises speed, flexibility and productivity, however both investment and operational costs are high. Second, as printing is bounded by the 3DP build box, the adoption of 3D metal printing is limited to small industrial parts, while most industrial parts are large. Moreover, no end-to-end workflow for manufacturing large-scale industrial parts is available, so multiple hardware + software components need to be connected/customized, slowing down adoption and further increasing investments.

Solution

MX3D accelerates manufacturing productivity by an industrial scale 3D metal printing software. MX3D's MetalXL is a digital platform that transforms existing legacy industrial robots into state-of-the-art 3D metal printing manufacturing (WAAM: wire arc additive manufacturing) with intelligent software, real-time process control and add-in services. MetalXL enables large-scale 3D metal printing by joining an industrial robot, a welding machine and our MetalXL software that is WAAM dedicated, easy to use, and low-cost.

Market

Key industries with high demand for metal parts (new, spare and repair) are construction + infrastructure, oil + gas, maritime and industrial manufacturing. MetalXL enables in-house legacy robots to start printing these parts themselves and thereby reducing material use, lead time and operating costs. Our go-to-market focuses on R&D dept. / organizations, and manufacturing for oil+ gas and construction + infra.

Business Model

Our business model has been printing parts in commission and doing funded research. With MetalXL platform, MX3D is making a transition to license-based technology services. MetalXL consists of the WAAM software, MX3D Hardware Box (control + monitoring) and add-in services (at additional fees).

USP & Differentiation

MX3D stepped into this market because of a proven demand, competitive advantage, and structural revenue stream. Our technology maturity, brand recognition and being the first and only system agnostic and WAAM dedicated solution provider gives us the right to win in industrial large-scale 3D metal printing.

Netherlands
www.mx3d.com
Founded in 2014
15 Employees

Field of Activity:
**Additive
Manufacturing**

Investments
received: **1.25M
EUR**

Investment need:
3M EUR

Watch the 3min
pitch

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Startups Profile

Rebartek

Robotic construction platform