

Addcomposites Oy

Structural Additive Manufacturing for All

Addcomposites

About Addcomposites

Enabling manufacturers across the value chain access to automation

Vision
Innovative, Reliable & User-centric.

Expert Team
Founded by veterans from ISRO & Hexcel

Partnerships
Global network of technical partners

Continuous Improvement
Communication and Collaboration

Addcomposites aims to become the go-to provider of advanced manufacturing solutions that enable widespread adoption of composites.

By the Numbers

Business Operations

50+

Installations worldwide

80%

YoY Growth

~30%

Revenue allocated for internal R&D

Users Experience

<2

Years to realize retuns

-33%

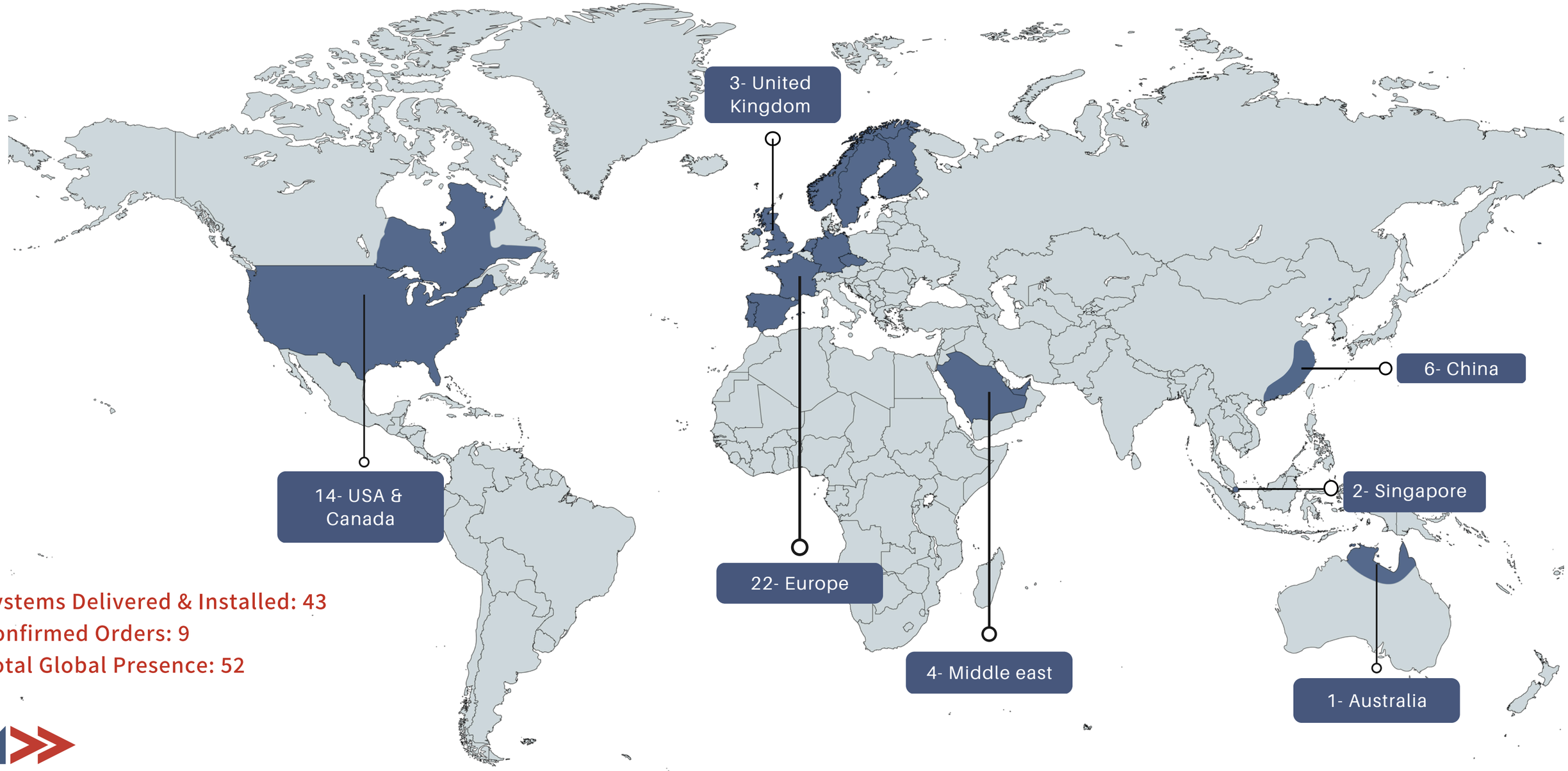
Costs per part production*

-29%

Material consumption per part



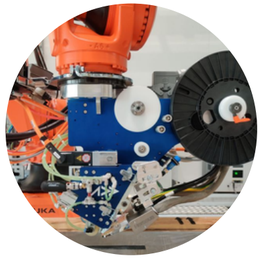
Installation Network



Systems Delivered & Installed: 43
Confirmed Orders: 9
Total Global Presence: 52

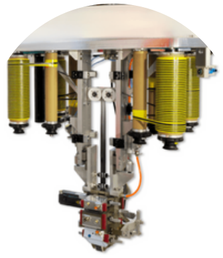
Products

End Effectors



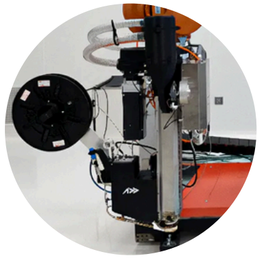
AFP-XS

- Industry-leading single tow placement toolhead
- Research Flexibility



AFP-X

- 4× material deposition
- 16–24× more material
- Production Ready



ADDX

- Print parts 20× stronger
- 3D printing efficiency with AFP strength

Auxiliary Devices

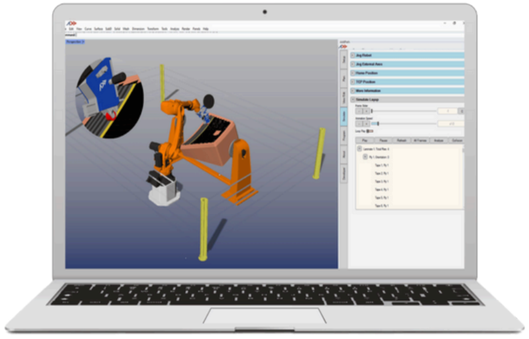
Enhance your end-effector with these add-ons to unlock its full potential.

- Force Sensor
- Laser Scanner
- Thermal Camera
- Ultrasonic Trimmer
- humm3 Flashlamp
- Laser Heater

Software

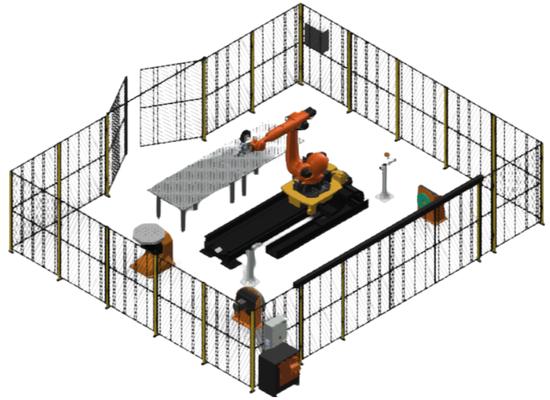
AddPath

Addcomposites' in-house software integrates modules to optimize your end-effector, auxiliaries, and robot.



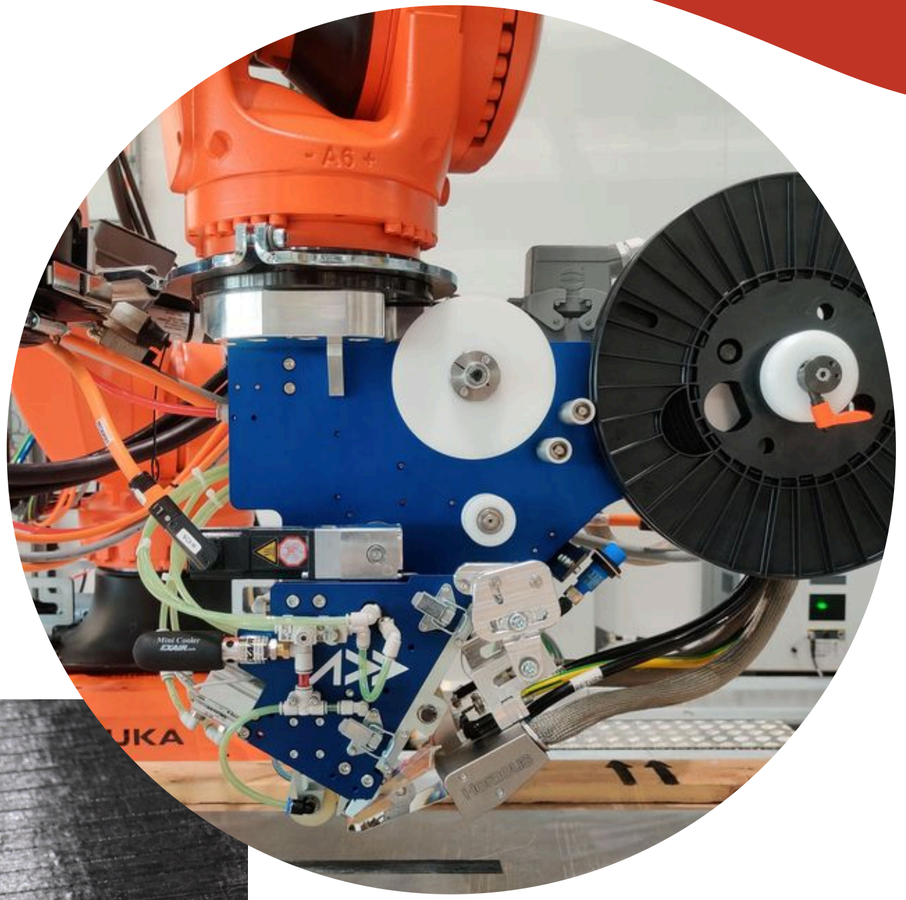
Robotic Cells

By leveraging our global partners, we are able to offer and install either turnkey or off the shelf solutions based upon your requirements, budget, and timeframe.



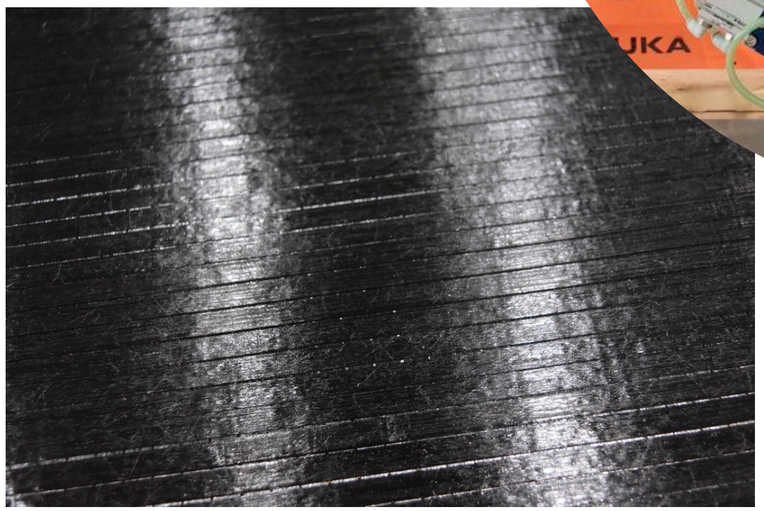
AFP-XS

Flexible Single-Tow AFP Head



RESEARCH & PRE-PRODUCTION

- Material Flexibility
  - 1/4", 1/2", 1" wide
  - Dry, Thermoset, Thermoplastic Matrices
  - Carbon, Glass, Natural Fiber Reinforcements
- Integrated 3rd party heaters for higher temperature applications
- Extra mounting locations on the head for more data collection devices
- Compact and lightweight design open up more robotic options, fitting your R&D budgets



AFP-X

Four-tow AFP Head

INDUSTRIAL PRODUCTION

- Complex geometry, efficiently
  - 4x 1/4" Tapes = 1" wide course
  - Individually controlled tension, feeding, and cutting
- Same material flexibility as AFP-XS
- All actuators are digitally controlled and adjusted for finite control
- More time producing, less time reloading material



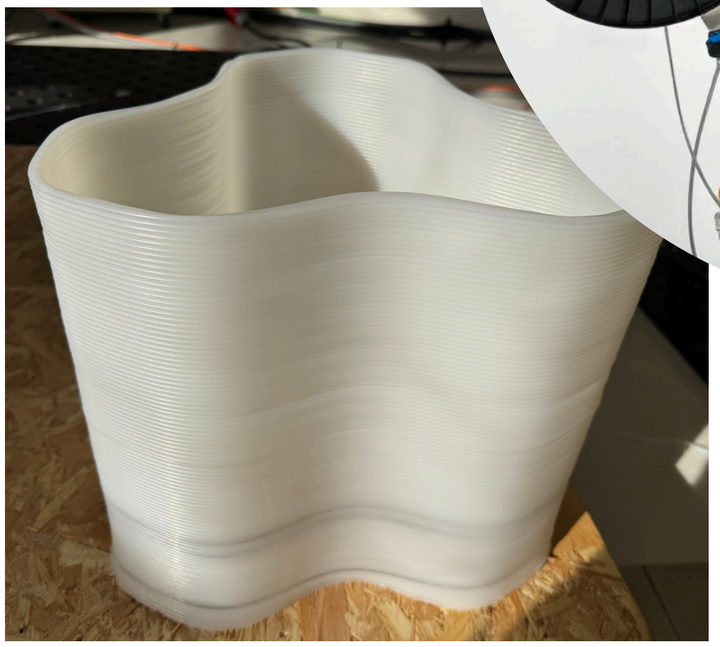
ADDX

Continuous Fiber LFAM Extruder

FLEXIBLE PRODUCTION

- Wide variety of polymer input
  - PA12 to PEEK
  - Straight polymer or embedded fiber
- Optional upgrade to include continuous fiber deposition
- Print thermally stable tooling for AFP processes
- Print functional parts with UD fiber



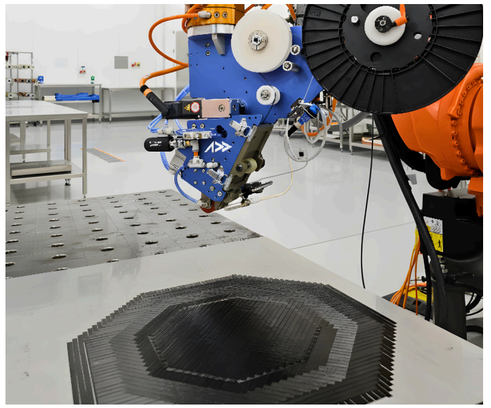


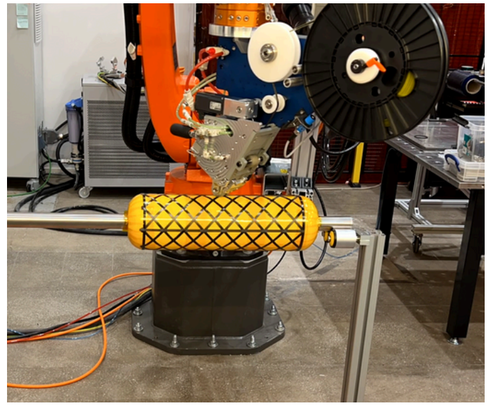
Network Wins

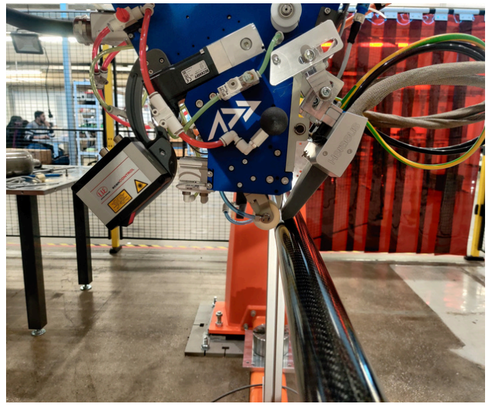


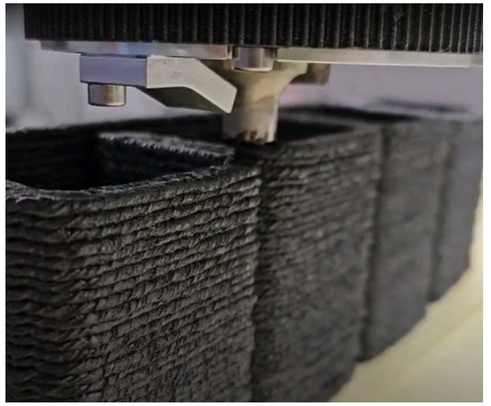


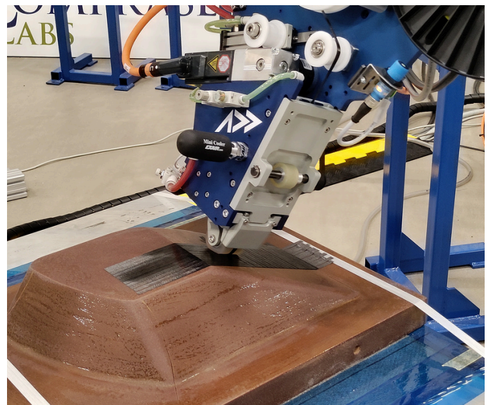


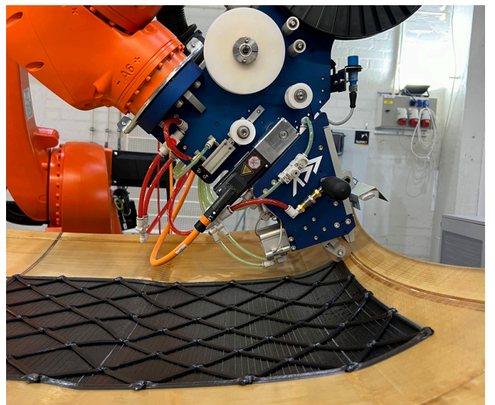


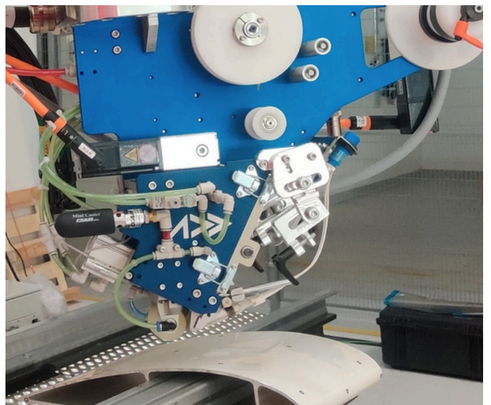












Public Projects

caelestis

€5.96m

Developing an end-to-end Interoperable Simulation Ecosystem (ISE) to accelerate the design and manufacturability of next-gen aircraft and engines. It connects CAD-CAE tools across distributed teams, enabling real-time, multidirectional dataflow throughout the value chain

- Autonomous simulation workflows integrating multi-disciplinary tools
- Supercomputer-powered digital twins with high-fidelity modeling across production stages
- Machine learning for flaw detection, uncertainty quantification, and design optimization
- Edge computing for real-time defect monitoring and corrective actions on the shopfloor

TOSCA

€4.52m

Advancing lightweight composite manufacturing by developing a full processing chain for epoxy vitrimer resins — materials with the strength of thermosets and the added benefit of efficient recyclability.

- Automated fibre placement, curing, rework, and repair processes
- Embedded sensors and inspection systems for structural health monitoring
- Digital tools for data-driven, zero-defect manufacturing
- Iterative production improvement through real-time feedback

organic

€4.99m

Transforms Additive Manufacturing through biologicalisation — merging nature-inspired design, smart technologies, and recyclable biomaterials into FGF processes.

- Bio-inspired lattice structures for optimized performance
- AI-driven cognitive control with self-healing capabilities
- PSPP optimization tools + digitized high-precision FGF equipment
- “Gentelligence” system enabling lifelong learning and process evolution

Funded by European Union

Are you ready to shore up your production?

Addcomposites



PRAVIN LUTHADA

Co-Founder, CEO



JAMES KULIGOSKI

Co-Founder, Technical Sales