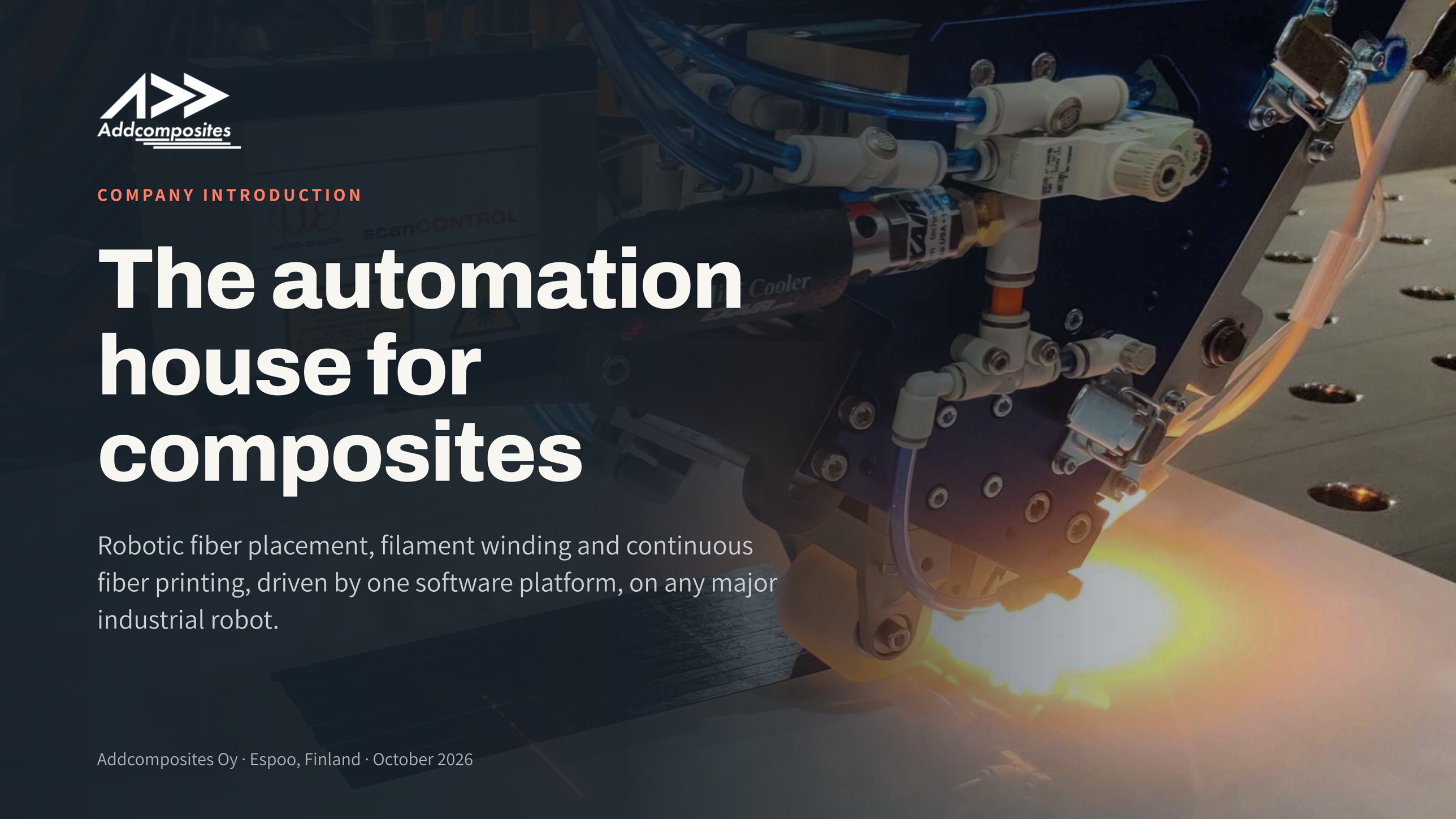
Addcomposites

COMPANY INTRODUCTION

The automation house for composites

Robotic fiber placement, filament winding and continuous fiber printing, driven by one software platform, on any major industrial robot.



Addcomposites Oy · Espoo, Finland · October 2026

THE PROBLEM

Composite structures are still built the way they were forty years ago.

Today

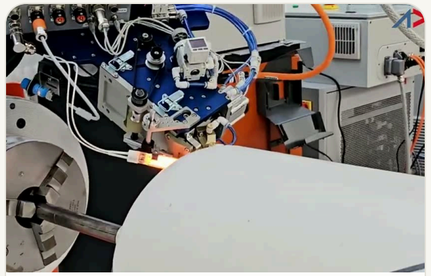
- Laid up by hand, by people whose skills take a decade to build
- Automation means dedicated, proprietary machines
- Quality is inspected after the part is made

With Addcomposites

- Robotic heads on the industrial robots manufacturers already own
- One software platform from toolpath to process control
- The process is corrected while the part is still being built

WHAT WE BUILD

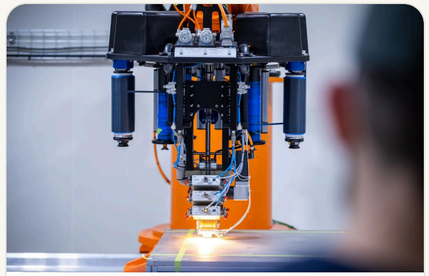
From lab bench to production line



AFP-XS

Fiber placement

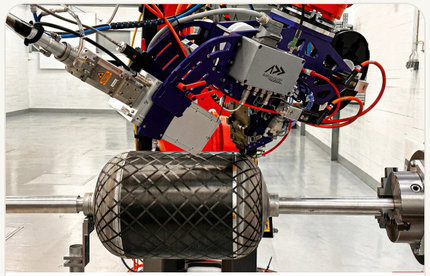
Compact single-tow head for research and pilot production.



AFP-X

Fiber placement

Multi-tow production head, every tow controlled on its own.



Winding

Filament winding

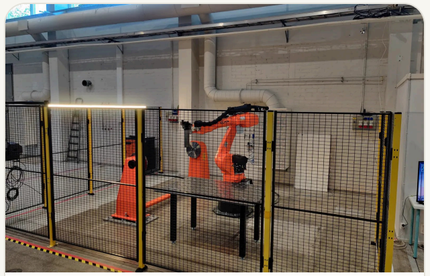
Pressure vessels, hydrogen tanks, tubes and motor sleeves.



ADDX

Large-format printing

Continuous fiber and polymer, PA12 through PEEK, on one head.



AddCell

Turnkey cell

Designed, integrated and installed, with head, material and software.

All on standard industrial robots: KUKA, ABB, FANUC, Kawasaki, Yaskawa. No proprietary machine, no lock-in.

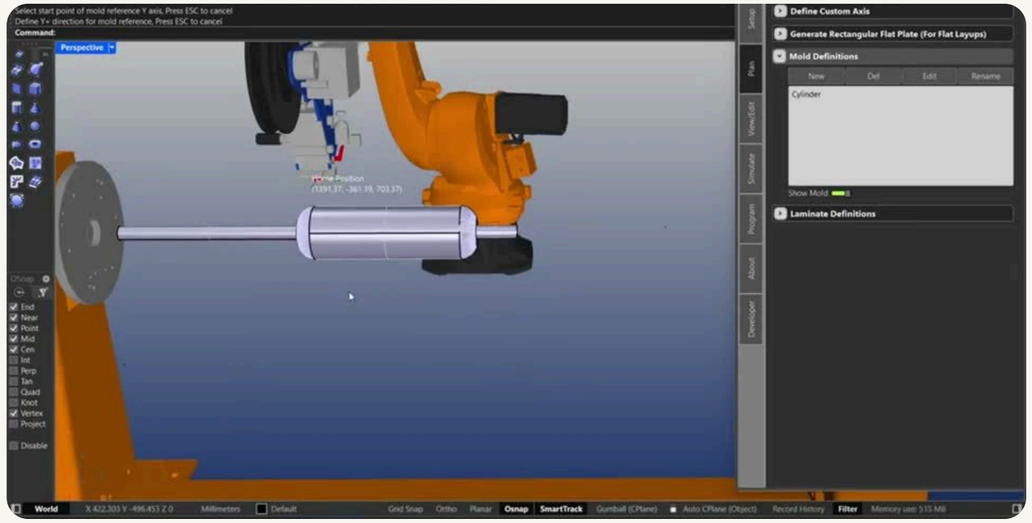
SOFTWARE AND PROCESS CONTROL

The hardware is only half of it

AddPath plans, simulates and runs placement, winding, printing and trimming in one platform, on every supported robot brand.

- Ultrasonic, thermal and laser sensing fused over OPC-UA
- Real-time defect detection, with automatic toolpath correction
- Neural-network thermal control for in-situ consolidation

Around a third of the company builds software, led by a co-founder CTO.





SOFTWARE BEYOND ADDPATH

A ladder of tools, from free to paid

FREE · IN THE BROWSER

AddStack
Laminate design and failure analysis

AddPipe
Wall design for thermoplastic pipe

RFSA-26
Open-source resin infusion simulator

CRDS
Rotor sleeves for high-speed motors

PAID · PRODUCTION

AddPath
Path planning, cell simulation and controller-ready programs

AddWind
Filament winding, from laminate to machine motion

AddPly
Ply authoring on real part geometry

AddWind and AddPly are free during early access

UPCOMING

AddPath Studio
AddPath on the web, built for physical AI

AddDigi
Process data and a digital record of every part, from every cell

One Addcomposites account across every tool: free users are one sign-in from a paid seat.

WHERE WE ARE

Systems in daily use, not prototypes

50+

systems installed worldwide

4

continents with installed systems

20+

people, the large majority engineers

6

funded research programmes, one of them led by us

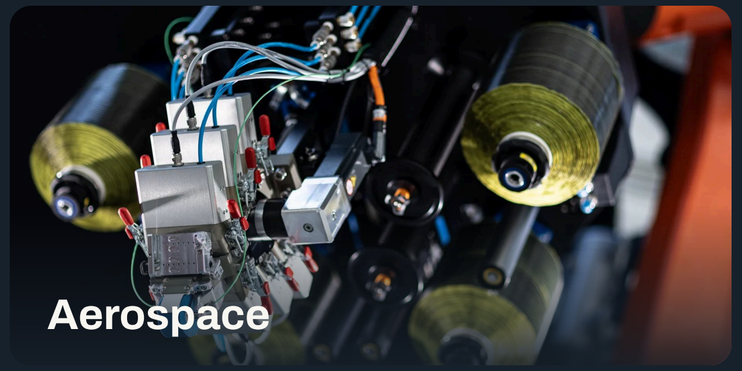
WHO RUNS OUR SYSTEMS

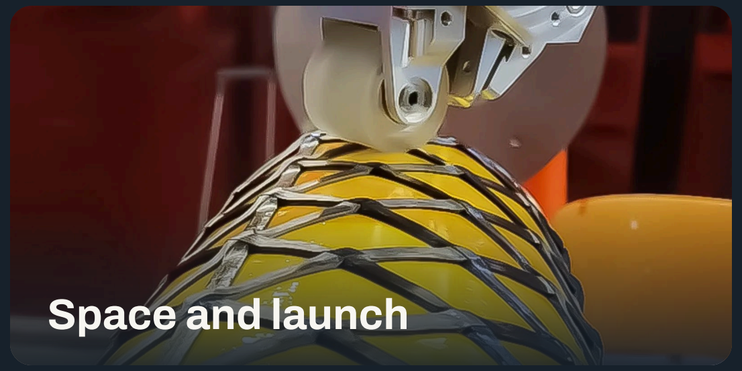
Research leaders and manufacturers

Industrial users include **Exel Composites** and **IND Group**. A selection; the full list is on request.

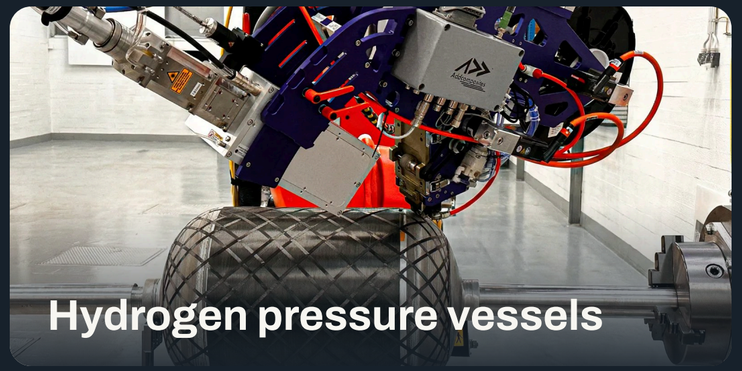
MARKETS

Wherever a structure must be lighter and stronger

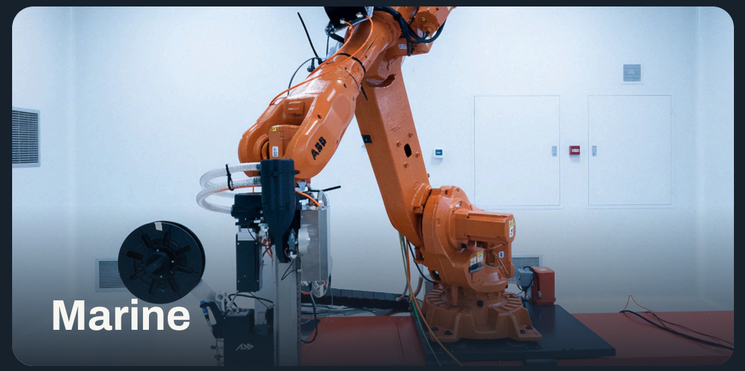












PHYSICAL AI

Every sector we supply is growing at once

Physical AI is software that senses, reasons and acts on real hardware. Our closed-loop robotic cells are physical AI for composite structures.

ROBOTICS

542k

industrial robots installed in 2024. Annual demand has doubled in ten years.

IFR World Robotics 2025

DEFENCE

$2.9tn

world military spending in 2025, the 11th rise in a row. Europe up 14% in one year.

SIPRI, April 2026

SPACE

$1.8tn

space economy by 2035, up from $630bn in 2023. About 9% a year.

World Economic Forum and McKinsey, 2024

AEROSPACE

12 yrs

of production sit in the commercial aircraft order backlog.

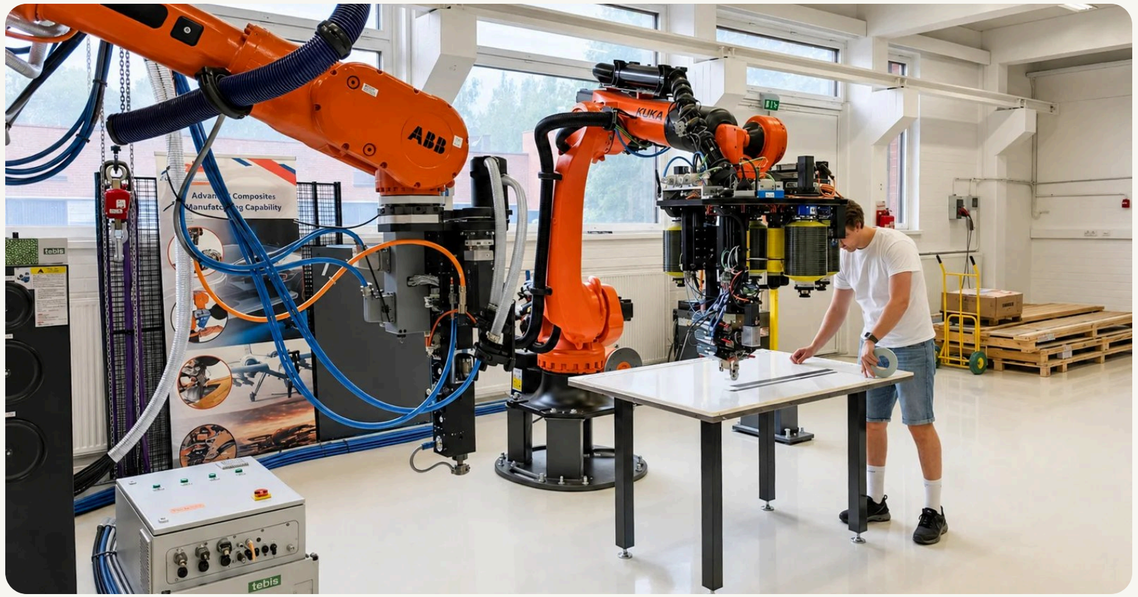
ADS, April 2026

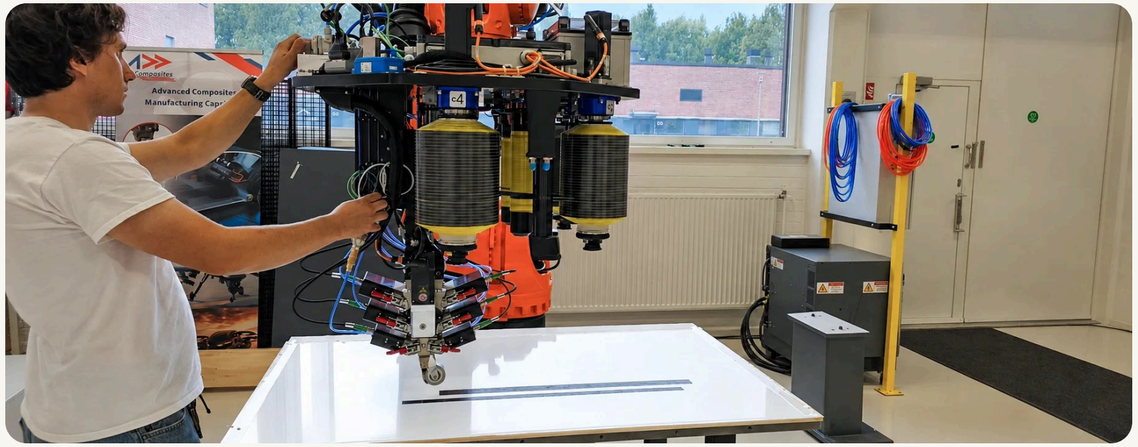
ESPOO, FINLAND

Our Application Center

Not a showroom. Customers see their own part made on the process they are evaluating, before they buy anything.

- Four industrial robots from KUKA, ABB and FANUC
- Fiber placement, winding and large-format printing, all running
- CNC machining, ultrasonic trimming and tape slitting
- The build factory where our systems are assembled





RESEARCH

Six funded research programmes

Project	Programme	Our role	Focus
AeroComp	Eurostars	Coordinator	Aerospace manufacturing, neural-network thermal control
TOSCA	Horizon Europe	Partner	Recyclable vitrimer aerostructures with embedded sensing
ORGANIC	Horizon Europe	Partner	Bio-inspired lattices and AI cognitive control
ROBOT Box	Business Finland	Partner	Real-time geometry correction during deposition
ABBOT	European Defence Fund	Partner	Radar-absorbing and EMI-shielding structural composites
CAELESTIS	Horizon Europe	Partner	Simulation ecosystem and digital twins (concluded)

TEAM

Founded by builders

Spun out of a 2016 Aalto University project and founded in 2017 by four co-founders, including veterans of ISRO and Hexcel. Now more than twenty people across three continents.

Pravin Luthada

CEO and Co-Founder

Strategy, R and D, sales direction

Emir Goletic

CTO Systems, Co-Founder

Hardware and systems engineering

Vaibhav Shah

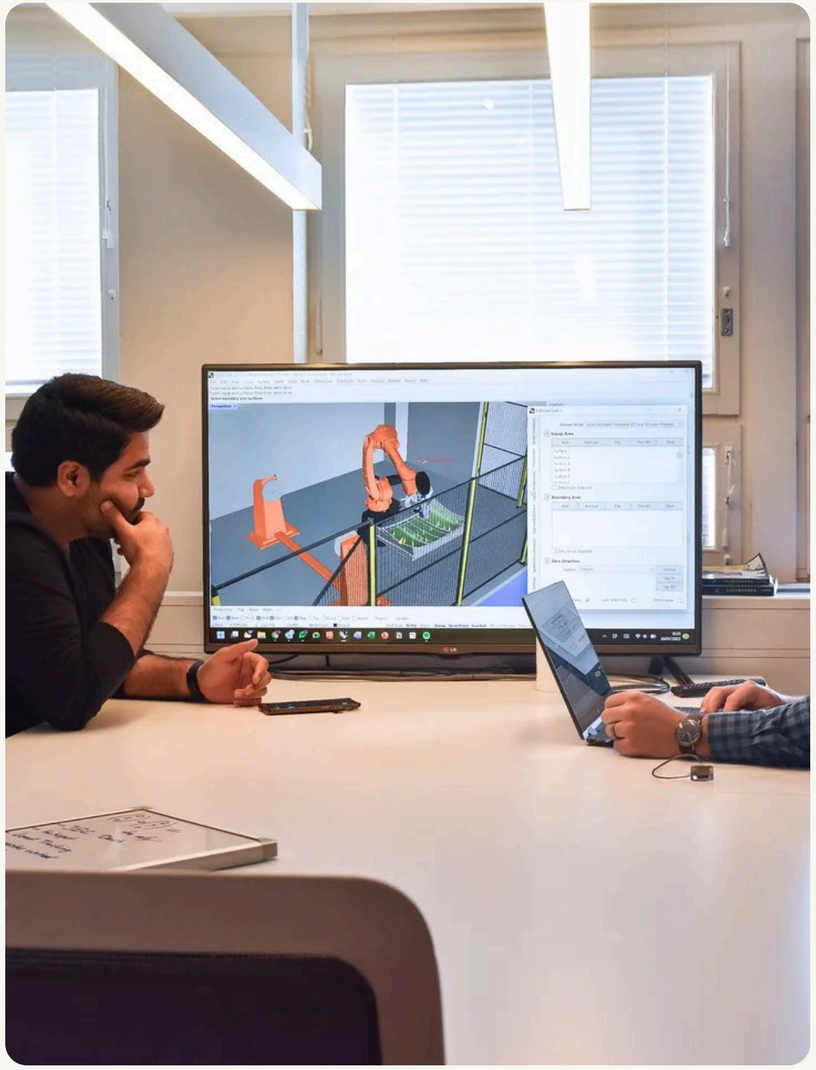
CTO Automation, Co-Founder

Automation software, software team

James Li-Kuligoski

Business Development, Co-Founder

Sales and partnerships



NEXT STEP

Come and see it run

This is a first look. Numbers and plans we would rather walk through together, ideally on the floor in Espoo.

Pravin Luthada, CEO and Co-Founder
pravin.luthada@addcomposites.com · +358 50 330 5201
www.addcomposites.com

