

OPMOBILITY X AIRY AUTOMOTIVE

Next-generation Additive Manufacturing for Mass Production

AIRY Automotive and OPmobility are developing cutting-edge automotive structures for OEMs to reduce costs, emissions, and weight.

The Challenge

Electric vehicles require lightweight, durable components to improve efficiency and reduce emissions. Traditional manufacturing methods often limit design flexibility and add unnecessary weight. Together with OPmobility, AIRY Automotive set out to explore how additive manufacturing could unlock new possibilities for structural design in EVs, enabling more sustainable and efficient production.

The Solution

To meet the demands of electric vehicles, AIRY Automotive applied its proprietary FIBER DRIVE technology, an additive manufacturing process designed for high-performance, lightweight structures. Partnering with OPmobility, the team combined cutting-edge material science and

engineering expertise to design components optimised for strength, weight, and scalability in automotive applications.

The Outcome

By combining OPmobility's expertise with AIRY's advanced FIBER DRIVE technology, the project resulted in state-of-the-art, additively manufactured structures tailored for OEMs. These lightweight components are optimised for mass production and emissions reduction, offering a scalable solution for the future of automotive design.

Project Highlight

The project provided state-of-the-art additive manufacturing for a large-scale OEM.

AIRY Automotive

AIRY Automotive manufactures safe, light, low-cost, and low-emission structures

AIRY Automotive's technology enables next-generation manufacturing of lightweight structures by its additive manufacturing technology, FIBER DRIVE.



Headquarters
Copenhagen, Denmark

Founded
2023

No. Employees
1 – 10

Website
www.airyautomotive.com

Acknowledgement

We would like to express our sincere thanks to Pierre Lacome (OPmobility) and Gustau Lange (AIRY Automotive)

Project Contact

Pierre Lacome
Innovation Manager
OPmobility
pierre.lacome@opmobility.com

Raul Martin Montero
Ventures Mobility
STARTUP AUTOBAHN powered by Plug and Play
r.martin@pnptc.com

About STARTUP AUTOBAHN powered by Plug and Play

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations.

The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation.

Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results.

Over the years, the platform has successfully cultivated over 500 projects with more than 350 startups since its founding in 2016. ■

expo2025
expo2025.pnptc.events

STARTUP AUTOBAHN powered by Plug and Play
startup-autobahn.com

Plug and Play
plugandplaytechcenter.com