

New-generation hydrogen tanks for heavy-duty mobility

Start	2025
Subsidy	€ 1,005,039
Private contribution	€ 2,342,314
Project Coordinator	Bas ten Broeke
Expected results	2026

Project partners

Envalor
Imagine the Future

alformet

Westport
Fuel Systems

Description of the project:
ENVALIOR, Alformet, and Westport Fuel Systems are developing lightweight, recyclable type 4+ hydrogen tanks designed for use in heavy-duty vehicles and other mobile applications. The project includes the production and testing of at least 20 prototypes, along with a full-scale demonstration in a hydrogen-powered truck. These next-gen tanks aim to improve storage capacity, safety, and sustainability, while reducing system weight and costs.

Impact:

Acceleration	☑
Scaling up	☑
Reducing costs	☑
Innovative ecosystem	
New talents	

- **Acceleration:** Enables faster adoption of hydrogen in transport through safer, lighter tanks.
- **Scaling up:** Supports future mass production with scalable design and manufacturing tools.
- **Reducing costs:** Uses recyclable thermoplastics and laser-based production to lower materials and processing costs.

