

ONE PAGE EXPERTISE DESCRIPTION

The aim of this document is to introduce your organisation to potential project leaders. Since there are hundreds of such descriptions circulating throughout Europe, please keep it short, concise and precise so potential project coordinators can quickly assess if your contribution would be useful. This document does not aim to provide an extensive overview of your activities, but to show in a few words your added value relevant to a specific topic or group of topics. **Please fill in one form per field or research/expertise.**

INFORMATION ABOUT THE EXPERT

ORGANISATION	Coexpair
ADDRESS	Rue des Entrepreneurs 10, 5020 Namur (Belgium)
TYPE OF PARTNER	SME
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POSITION	R&I Director
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EXPERTISE OVERVIEW

TOPIC(S) OF INTEREST

HORIZON-JTI-CLEANH2-2023-07-01 - Advanced materials for hydrogen storage tanks

HEADLINE

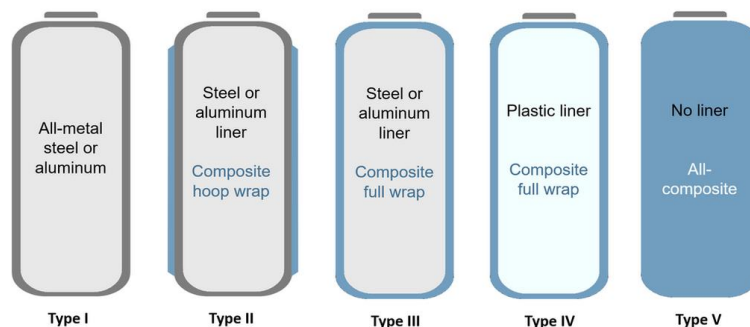
Reference in Europe for Net Shape composites manufacturing solutions - Advanced AFP/ATL, RTM & SQRTM processes – 30+ years of R&D

POTENTIAL CONTRIBUTION

Our engineering expertise and key capabilities, unique resources

- design of Class V solutions for hydrogen storage including innovative part architectures (note: patent pending about multifunctional M&P for optimal tank sealing)
- development plan for increasing both TRL & MRL within a risk mitigation approach
- test matrix definition, manufacturing & testing TP/TS coupons = certification approach

We have the support from **Airbus, ESA, Solvay** and **Teijin** to develop Class V hydrogen storage tanks.



Our R&D laboratory - EN9100 qualification - place for collaboration

- the most advanced AFP/ATL, RTM & SQRTM equipment
- a composites shop dedicated to material coupons, test elements, proof-of-concept parts
- a network of certified test laboratories

Our references

- FP7-NMP “IMS&CPS” project (coordinated by Coexpair)
- FP7 “AFLoNext” project (coordinated by Airbus)
- Clean Sky “HFLE” project (coordinated by Coexpair)
- Interreg NEW “Cobracomp” project (coordinated by EuraMaterials)
- EIT Manufacturing “FlexiNDT” project (coordinated by CEA)

Work with us, a unique collaborative experience within a sustainable approach...