

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

NPROXX is one of the world's leading companies in the design, development and manufacture of Type IV pressure vessels and systems for the storage of hydrogen under high pressure. The NPROXX head office is located in Heerlen (NL) and the NPROXX production facilities are located in Alsdorf (DE). As a spin-off of ETC (Enrichment Technology Company), NPROXX is now a 50:50s joint venture between ETC and Cummins Inc.

NPROXX has specialised in the manufacture of Type IV composite pressure vessels using the wet winding process for approximately 40 years. NPROXX can look back on a unique history in the field of composite plastics processing when the first certified 300 bar Type IV pressure vessel was developed in 2001. NPROXX composite pressure vessels undergo a variety of rigorous certification tests (such as burst tests, durability tests, fire tests, crash tests and even bullet/explosion tests) before they are approved for sale. These tests ensure that the pressure vessels can be used reliably and repeatedly without the risk of the vessel failing under pressure. In all tests, the key performance indicator is the ability of the pressure vessel system to maintain its structural integrity or store its pressurised gas in the safest way possible without failure.

Maurerstraße 44
52477 Alsdorf
North Rhine-Westphalia
Germany
www.nproxx.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a

About this organisation

Main areas covered Pressure vessel type IV

Infrastructure

Certifications ISO 9001, PED, EN17339, R134, and many more.

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Systems and end products		✓	✓
Services & consulting Testing and trials, Engineering, Prototyping, Validation, Simulation, Approval	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Filament winding	✓	✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres			✓
Carbon fibres			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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