



## A KEY PLAYER IN TEST BENCHES FROM R&D TO THE INDUSTRIALISATION OF THE HYDROGEN SECTOR

"Hydrogen", this gas of the future, is presented as a pillar in the reindustrialisation and revival of French industry and transport. French recovery in order to allow a decarbonisation of industry and transport. DAM Group supports and DAM Group is committed to working with manufacturers and subcontractors in the hydrogen sector, towards a rise in production and mass industrialisation.

**F**or 35 years, DAM Group has been designing turnkey test and measurement solutions for the land, aerospace and mobility, aeronautics and aerospace industry.

Its experience and expertise in instrumentation and software, electronics, automation and mechanical engineering enable DAM Group to offer a complete range of test and measurement solutions across the entire

entire hydrogen value chain from R&D to industrialization.

The main challenge of the hydrogen sector for its players is to succeed in moving from the laboratory (R&D) phase to large-scale production in an ever-growing market. However, this technology is particularly vulnerable to the effects of climate change, so our role is to assist our customers towards mass production.

To this end, DAM Group offers complete and scalable test bench and measurement solutions and measurement of the hydrogen value chain.

- 1 Leakage control with the possibility of possibility to interchange the tooling for bipolar plates, membranes and stacks.
- 2 Characterisation/ conditioning of fuel cells up to 150 kW.
- 3 High pressure testing: leakage, ushing, tanks and H2 lines are up to 985 bar.
- 4 Line tests for fuel cells (sensors, Fuel Cell Control Unit, coolant Unit, coolant line).
- 5 TestAvenue" software, developed in in-house: flexible, adaptable to each customer needs

**1** Banc de test d'étanchéité pour plaques bipolaires et membranes

**2** Banc de test caractérisation et conditionnement des piles à combustibles

**3** Banc de test d'étanchéité hydrogène à haute pression (< 985 bars)

**4** Banc de test End of line pour pile à combustible

**5** Logiciel de test pour piles à combustibles, batteries, e-motor

**TESTAVENUE**

**DAM GROUP**

**SIMPLIFYING THE COMPLEX**  
SIMULATIONS MEASUREMENT & TEST | ELECTRIFICATION | INDUSTRY 4.0

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