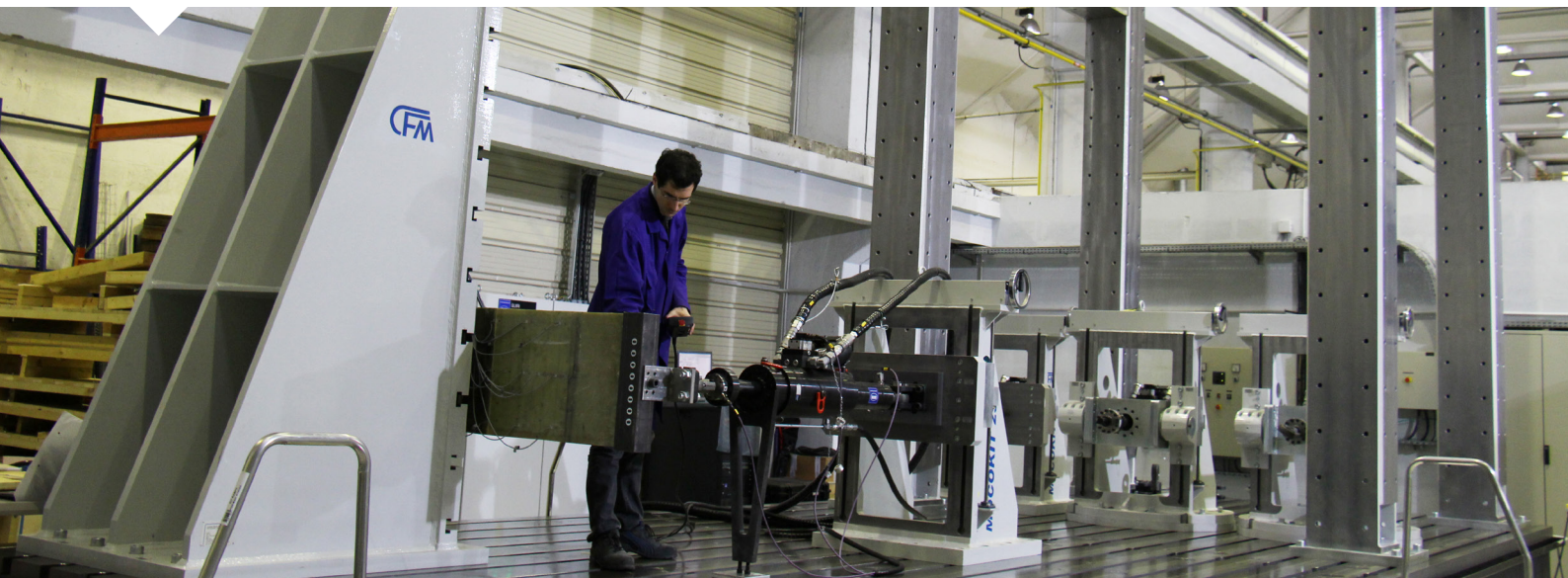


MECHANICAL TEST FACILITY MULTIAXIAL

IRT
JULES
VERNE

Testbed for Static and fatigue test of parts and structures



Our R&D and Consulting Activities.....

- ▶ Static and fatigue test of parts and structures up to 10 m long
- ▶ Development of health monitoring of structures
- ▶ Comprehension of structure mechanical behaviour

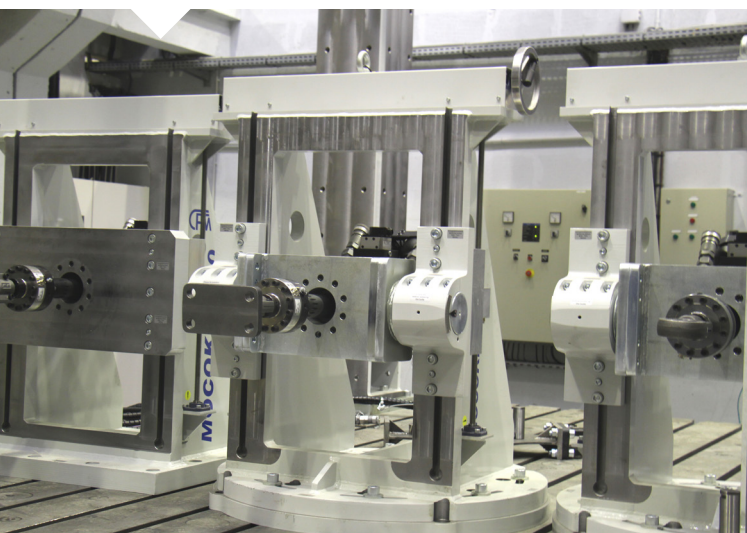
Measurements

- ▶ Digital image correlation methods: Full-field strain measurements of displacement and strain
- ▶ Temperature - Thermocouples and IR camera
- ▶ Efforts and dynamic displacements
- ▶ Multi Array ultrasound measurements
- ▶ Acoustic emissions : identification and localization of defects

Characteristics

Dimensions	10 m x 4 m
Fixtures	4 adjustable brackets (height, rotation) Transverse beam height 5m
Loading capacity	8 hydraulic independent actuators (2 x 25kN/ 4 x 100kN/250kN/650kN)
Control	Servo force/displacement Up to 4 tests simultaneously Up to 4 hydraulic actuators simultaneously
Environment	Climatic chamber 1 m3 (T°C de -80°C à +180°C*) Mobile atmospheric* box 8m3 (T°C de -30°C à +80°C*)

* Humidity 5 to 95% RH



Sales contact
business@irt-jules-verne.fr

Press contact
communication@irt-jules-verne.fr

www.irt-jules-verne.fr

Discover it
in video :

