

CNIM SYSTÈMES INDUSTRIELS YOUR TRUSTED PARTNER FOR BIG SCIENCE PROJECTS

FRANCE@FAIR – 19 APRIL 2023

CNIM
Systèmes Industriels

COMPANY PROFILE

CNIM SYSTÈMES INDUSTRIELS AT A GLANCE

French **OEM** and **industrial engineering contractor**



Wholly-owned subsidiary of **Groupe REEL** since 2022

Located in **La Seyne-sur-Mer**, France, with an international exposure

Serving governments, local authorities and major private or public companies

2022 key figures

74 M€ turnover
400 employees

ISO 9001:2015
ISO 19443

Defence



Floating Pontoon

Nuclear



Spent Fuel Cask Transfer Facility

Industry



Frame for the SemiCon industry

OUR BIG SCIENCE OFFER #1

XL-SIZE MANUFACTURING



UNIQUE INDUSTRIAL SET-UP IN LA SEYNE-SUR-MER

- ✓ 2 plants
- ✓ 45,000 m² of workshops
- ✓ Sea access
- ✓ Strong manufacturing engineering team



ITER – Pre-Compression Ring

WIDE RANGE OF LARGE MACHINE TOOLS

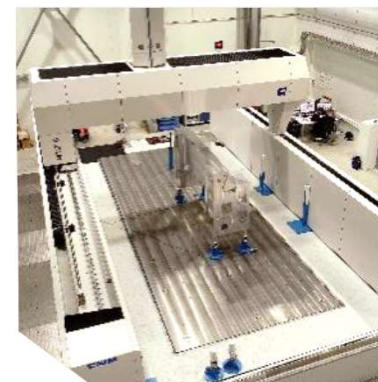
- ✓ High precision
- ✓ 20±1°C temperature controlled workshop
- ✓ Stainless steel, aluminium
- ✓ Composite material, polyurethane



Jules Horowitz reactor vessel

EXPERTISE IN ELECTRON BEAM WELDING

- ✓ 230 m³ vacuum chamber
- ✓ Up to 80mm penetration in stainless steel
- ✓ Other welding processes including TIG and TIG Narrow Gap



CUTTING EDGE INSPECTION MEANS

- ✓ One of the largest **Coordinate Measuring Machine** in Europe
- ✓ 20±0.5°C temperature controlled area
- ✓ Non-Destructive Testing including Helium leak testing

OUR BIG SCIENCE OFFER #2

CLEAN ASSEMBLY, INTEGRATION & TESTING



CLEAN ROOMS

- ✓ **2,300 m²** of clean rooms
- ✓ ISO8, **ISO6** & ISO5
- ✓ Washing machines
- ✓ Baking oven
- ✓ Residual Gas Analyser (RGA)



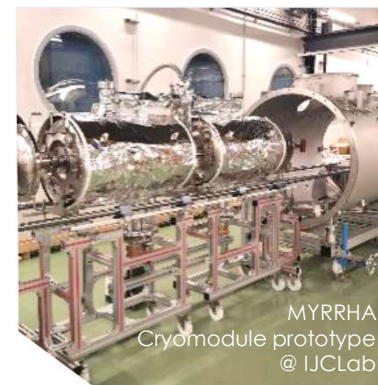
HIGHLY SKILLED STAFF

- ✓ Fully trained to system **Assembly, Integration & Testing** in clean environment
- ✓ Cleanliness experts



VARIOUS APPLICATIONS

- ✓ **Ultra High Vacuum**
- ✓ Cryogenics
- ✓ Superconducting magnets
- ✓ Power lasers



COLLABORATION AGREEMENT WITH CNRS / IJCLAB

- ✓ Assembly of **cryomodules**

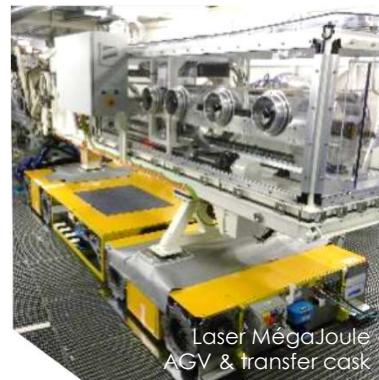


OUR BIG SCIENCE OFFER #3

COMPLEX SYSTEMS DESIGN & BUILD



Laser MégaJoule
Target Positioning System



Laser MégaJoule
AGV & transfer cask



ITER – Handling equipment
for in-vessel assembly

ENGINEERING CAPACITY

- ✓ Product design & process development
- ✓ Mechanical design
- ✓ Calculation & modelling
- ✓ Electrical design, I&C
- ✓ Hydraulic design

COMPLEX SYSTEMS IN HARSH ENVIRONMENT

- ✓ System engineering
- ✓ Nuclear safety
- ✓ Compliance with nuclear Codes & Standards

REMOTE HANDLING SYSTEMS

- ✓ Cask systems
- ✓ Transfer vehicles
- ✓ Hot cell equipment

TEST FACILITIES & TEST BENCHES



10 years ago at CNIM:
EB welding & machining of GLAD cryostat

Thank you!

Image: GSI Helmholtzzentrum für Schwerionenforschung GmbH

CNIM Systèmes Industriels
Zône Portuaire de Brégaillon, CS60208
83500 La Seyne-sur-Mer, France

www.cnim-systemes-industriels.com



Your contact:
Jean-Claude Cercassi
Business Development Manager
Mob. +33 671 44 71 81

jean-claude.cercassi@cnim.com

CNIM
Systèmes Industriels