





CNIM Big Science

40 years of industrial Achievements, Innovation & Excellence



CNIM presentation
ESO French Industry Day, Paris, on 20th June 2017

CNIM
Innovate and Act



French industrial engineering contractor
and equipment manufacturer
International approach
160 year old industrial adventure

20th June 2017

ESO French Industry Day - ENIM presentation

ENIM

2

▶ Medium-sized family owned company
with an international and long-term vision

€ 540m
2016 revenue

Stable and solid
family ownership

2 500
employees

Quoted on the
stock exchange
since 1986

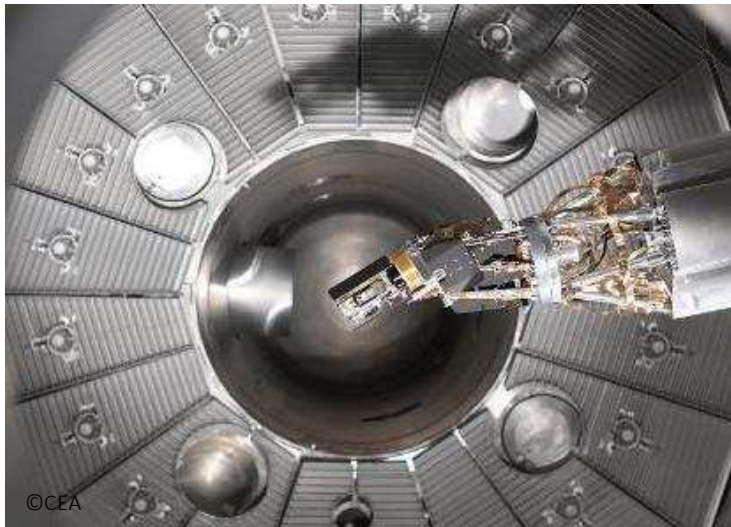
55% export

Majority shareholder with
direct implication

- Incl. 1 500 engineers with multidisciplinary expertise
- 15% dedicated to R&D and system design

Euronext Paris

▶ CNIM Group organisation & activities



Innovation & Systems

- Nuclear & Big Science
- Defence & Security
- Other Industries



Environment & Energy

- Treatment & Recovery of waste
- Emissions Control
- Renewable Energy
- Energy management and efficiency

► Nuclear & Big Science

Main entities involved within the CNIM Group:



Design & Manufacturing
Large size equipment & systems
720 employees
France, China, Morocco



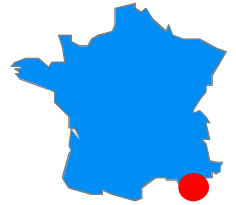
Industrial & Technological Expertise
Equipment & Systems
Nuclear Instrumentation **SAPHYMO**
100% Subsidiary - 760 employees
10 sites in France, Germany, Italy



Manufacturing
Medium size high quality
components
35% Subsidiary – 120 employees
2 sites in France (near Marseille)

We are used to work together

▶ Focus on CNIM Industrial Systems



Main industrial site in La Seyne-sur-Mer, France

- ✓ 400 employees
- ✓ 2 factories
- ✓ 60000m² covered area

Multi-skilled engineering workforce, with strong background in thermal and **mechanical engineering**

- ✓ Calculation
- ✓ Design engineering
- ✓ Manufacturing engineering
- ✓ Complex systems
- ✓ System engineering

Unique manufacturing capacity

- ✓ XXL components
- ✓ Medium-run production
- ✓ Expertise in Electron Beam welding
- ✓ Clean workshops
- ✓ High-tech composite materials



► Focus on CNIM Industrial Systems

Our offer to the Big Science community



Engineering
& Expertise



Design and Integration
of systems and equipment

Turnkey projects

From conceptual design to site acceptance,
through manufacturing and assembly

Some of our product lines:

- Safe handling systems, remote handling systems
 - Deployment systems, transfer systems
- High-precision positioning system, laser beam transport
 - Pressure equipment



Build-to-print
manufacturing

Manufacturing of mechanical and electromechanical components and systems

Strong manufacturing engineering skills: feasibility studies, value analysis / cost optimisation, manufacturing process, new technologies development and qualification, workshop layout, tooling design...

High-tech machining, welding, control & assembly processes

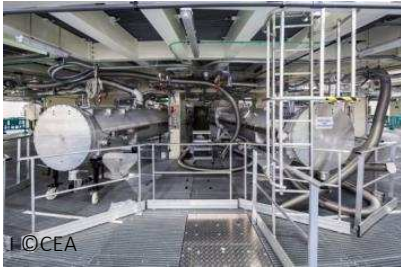


Services



Instrumentation

▶ Big Science: 40 years of successful achievements



LMJ – Positioning systems



LMJ - Laser beam transport



LMJ – 44 opto-mechanical systems (SCF)



VIRGO – 440 UHV modules
20th June 2017

VIRGO



ITER - Assembly tooling & test facility

ESO French Industry Day - CNIM presentation



ITER - PF Coils manufacturing

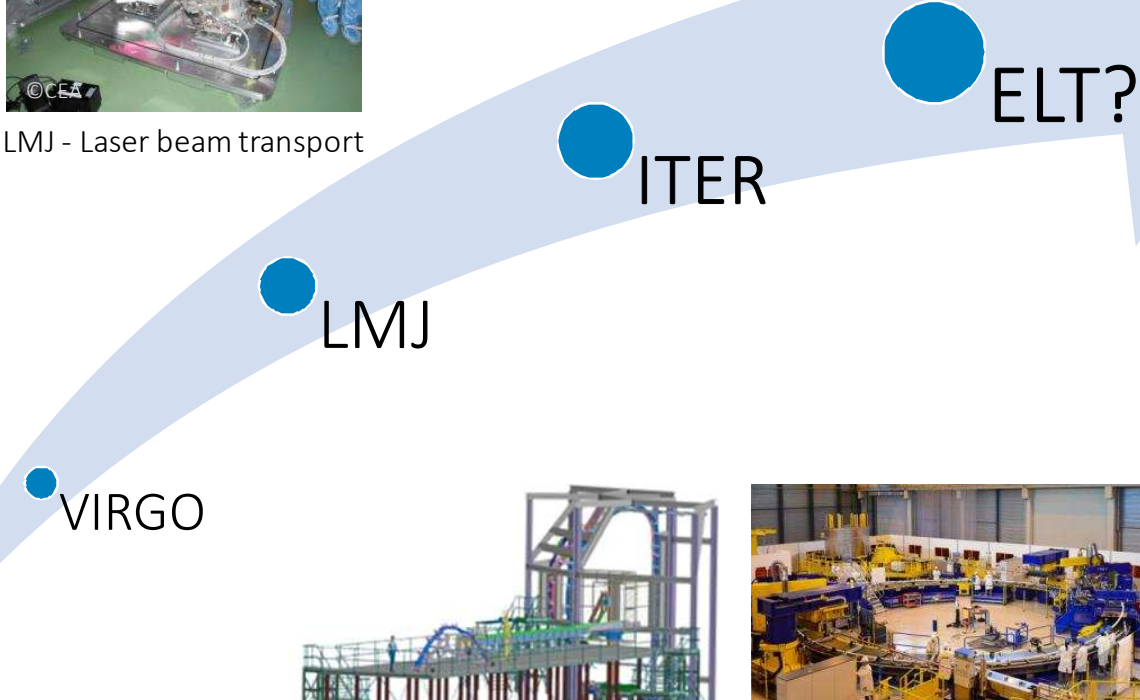
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ITER - In-Vessel Viewing System



ITER – 35 Radial plates manufacturing



CNIM is ready to tackle with new challenges

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