assystem

SWITCH ON
ENGINEERING & DIGITAL FOR ENERGY TRANSITION

IBF 2025

Rising Sud Satellite Meeting

Commitment to the energy transition.

WHO WE ARE ?

Assystem is an independent, international engineering company with one key mission: to accelerate the energy transition throughout the world.

Drawing on near 60 years' experience in highly regulated sectors subject to strict security and safety requirements, we provide our customers with engineering and project management services, as well as digital services and solutions to optimise the performance of complex infrastructure projects throughout their life cycle. Assystem is currently one of the top 3 nuclear engineering companies in the world. Learn more about our Engineering, Digital and Project Management activities.

OUR WORLD IS AT A TURNING POINT.

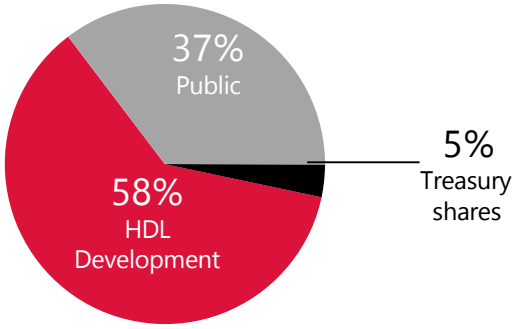
The fight against **climate change is the priority of the 21st century**. It implies an energy transition on a global scale, with the objective of making safe and sustainable energy accessible to all populations. Assystem's mission is to help to **accelerate the energy transition** throughout the world. We devote all of our energy to this task, combining our historical expertise in engineering and project management with digital technologies to create a reliable and sustainable energy future for all. For this purpose, we work globally on the development of low-carbon electricity, both in terms of its production and its distribution, through **the expansion of nuclear and renewable energies**. We also focus on the renovation of power grids and the development of new uses for electricity, such as the development of green hydrogen with a view to decarbonising transport and industry. At Assystem, we consider ourselves to be activists in the development of nuclear energy throughout the world. We firmly believe that **nuclear energy is essential** in the fight against climate change.

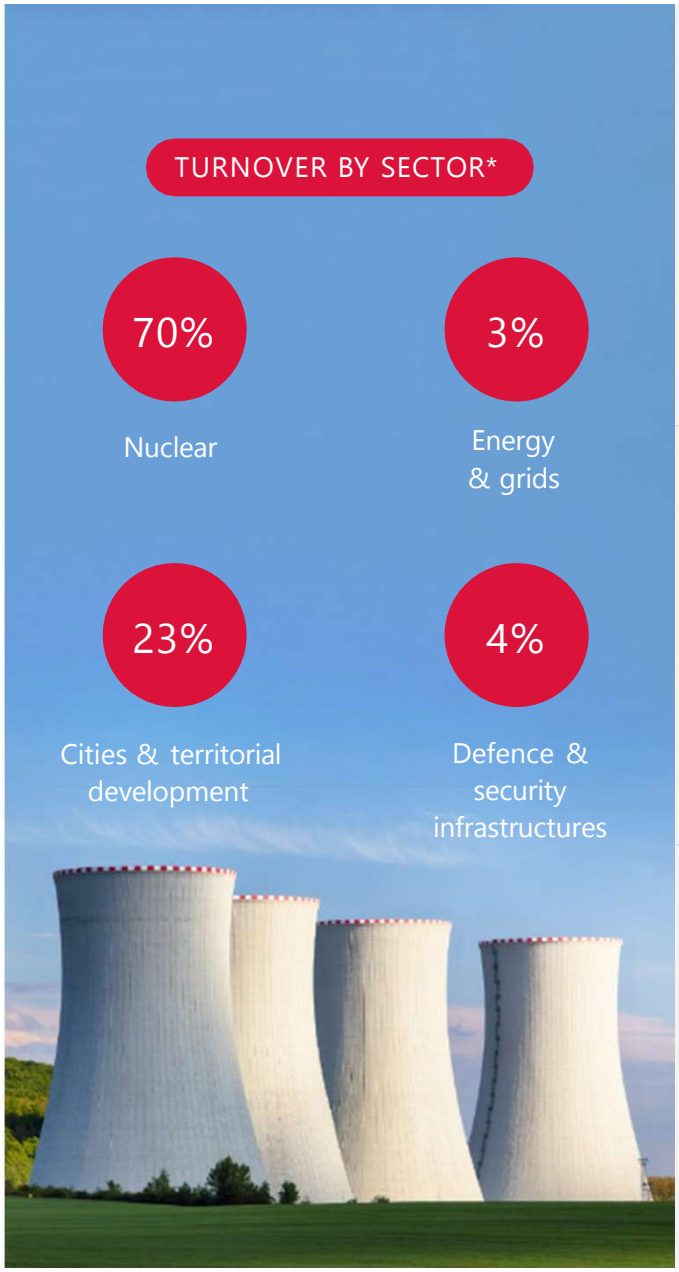
Assystem at a glance.

INDEPENDENT MULTIDISCIPLINARY ENGINEERING SERVICES GROUP

We assist governments, owners, contractors and OEMs to develop, deliver, and operate critical and complex infrastructures in the low carbon energy, industries, transportation, and defence sectors.

ASSYSTEM OWNERSHIP STRUCTURE





€ 650m
revenue (2025)

7,500
employees

TOP 3
ENR ranked in the TOP 3 independent nuclear engineering companies in the world

Positioning: engineering & digital for energy transition.

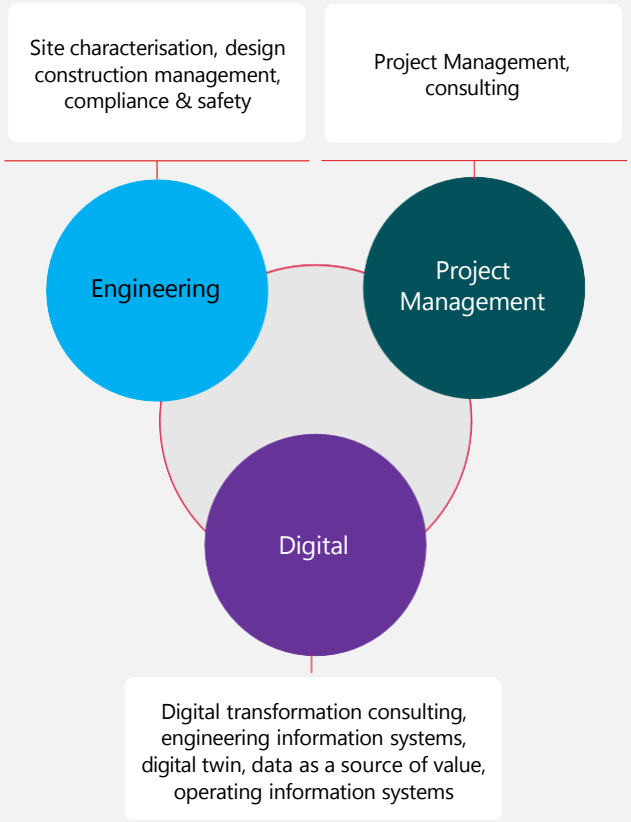
MARKET POSITION

Intelligent Engineer

Assystem assists governments, utilities and constructors in the development of complex infrastructure programs to make them safer, more competitive and more efficient, especially considering environmental footprint.

Assystem's project management, engineering and digital services are optimised to aid the success of new construction projects and the development of existing infrastructures.

RANGE OF DELIVERED SERVICES



OUR COMMITMENTS

Project assurance

Assystem's services contribute to the success
of our clients' projects, guaranteeing:

Delivery

Safety & Compliance

Competitiveness

Ethics

Our offer is based on our ability to form close, understanding relationships with our clients built on mutual trust.

Presence.

WE ARE CURRENTLY ACTIVE IN:

Australia, Canada, Egypt, Finland, France, Hong Kong, India, Kazakhstan, Morocco, Saudi Arabia, Switzerland, Türkiye, UAE, UK, Uzbekistan. (15 countries)

ENGINEERING EXPERTISE CENTERS

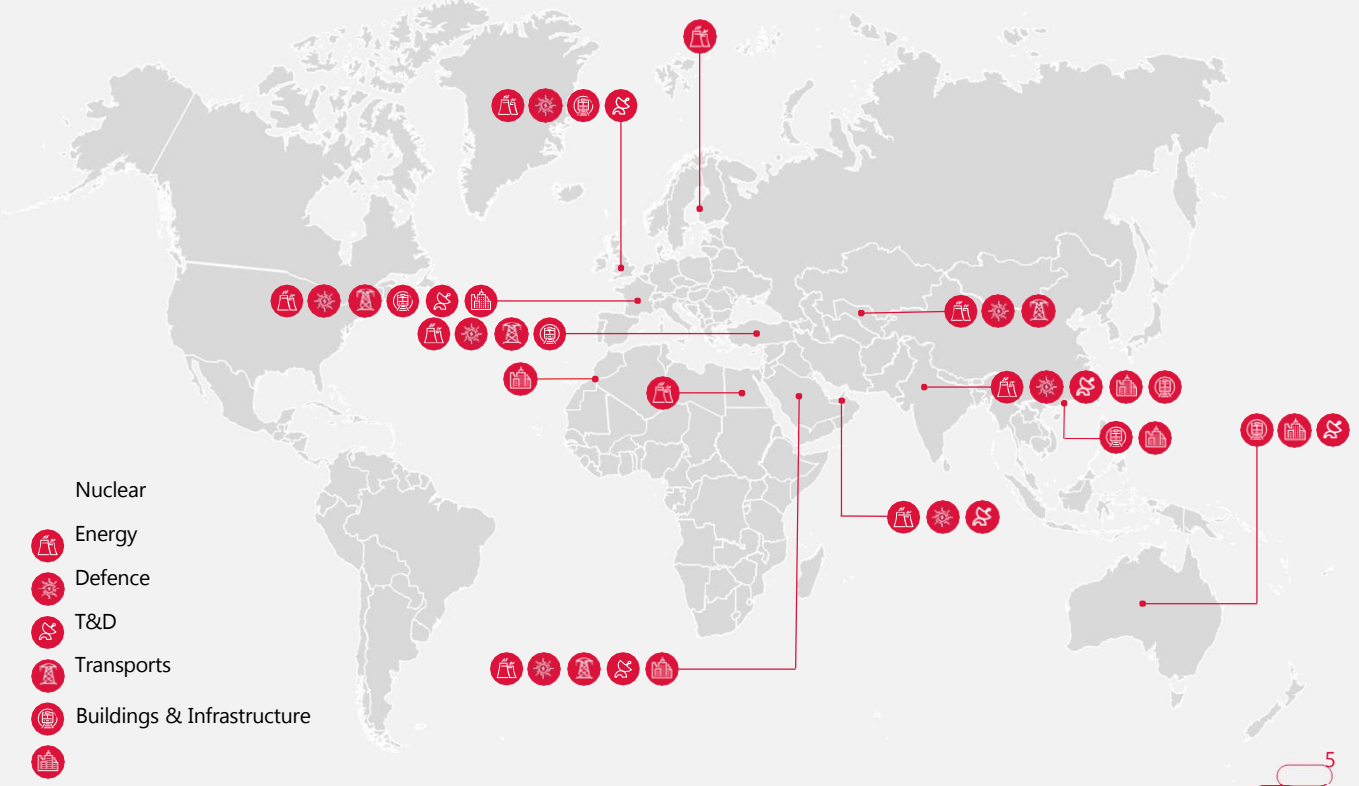
- France, UK & India for transportation engineering
- France & UK (CRA) for safety, risk, human factors, operation, regulation and compliance
- Türkiye & Central Asia for environmental & geotechnical services
- Uzbekistan (UzAssystem) for grid engineering
- France, India and Saudi Arabia (Radicon) for complex infrastructure engineering
- France for balance of plant

ENGINEERING PLATFORMS

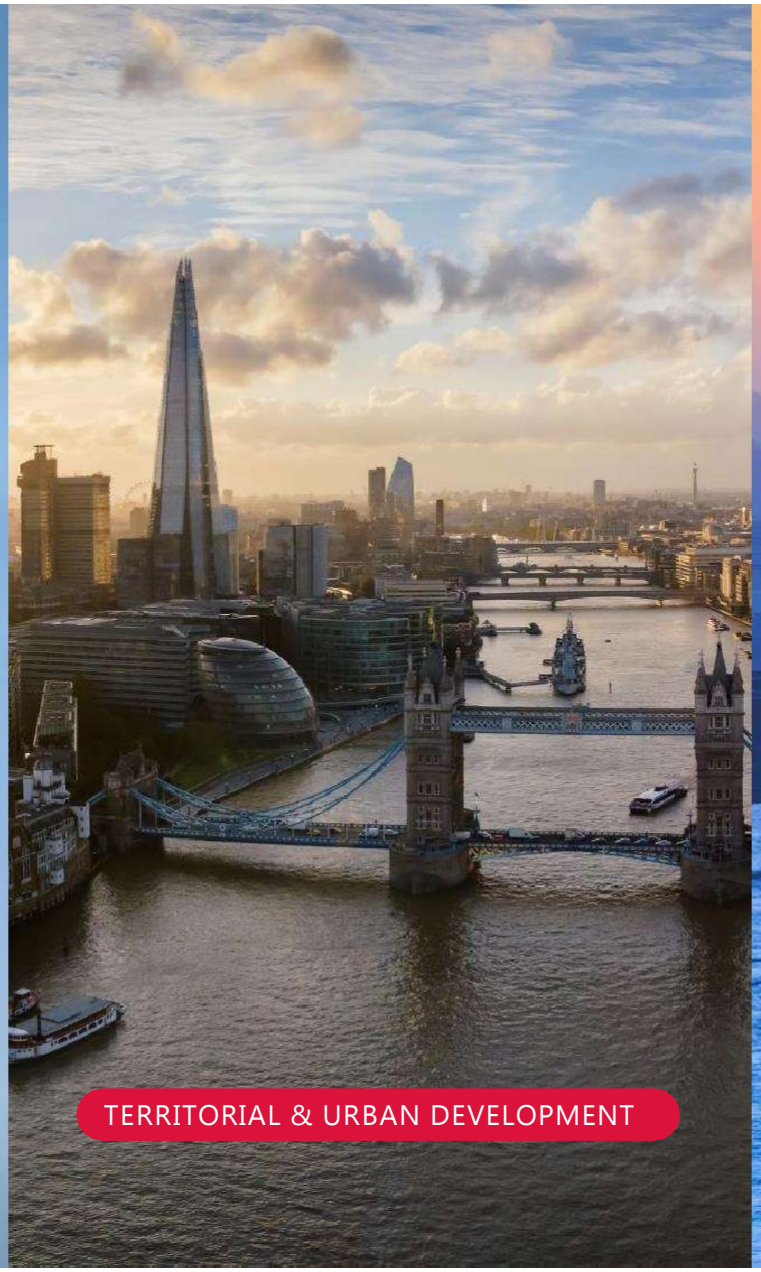
Our engineering platforms allow us to benefit from competitive costs and offset programs while mastering local standards and constraints.

France | UK | KSA | India | Türkiye

A local presence in
15 countries around the world



Main sectors.



Full Range of Engineering Services.

Depending on the projects and the needs of its clients, Assystem can act as:

- Technical advisor
- Architect engineer
- Operator engineer

Relying on its expertise in project management, engineering and digital, Assystem also offers a comprehensive approach as Owner Engineer (OE) throughout the project life cycle.

Inception ▸ Feasibility ▸ Design ▸ Procurement ▸ Construction ▸ Commissioning ▸ Operations ▸ Dismantling

PROJECT MANAGEMENT

- Consulting
  Organisation, delivery strategy, consents management, lender technical advisor,...
- Project management
  PMC, PMO (cost, scheduling, contract management, digital PMO...)
  Configuration management, ...

ENGINEERING

SITE CHARACTERISATION

- Siting
- Impact assessment
  Grid, Environmental, Social, ...
- Licensing & permitting

DESIGN

- Masterplanning
- Studies & design
  Feasibility, conceptual to tender design, Design review, Detailed design, ...
- System engineering

CONSTRUCTION MANAGEMENT

- Construction management
- Testing & commissioning
- Control & inspection
- Outage & shut-down supervision
- Decommissioning planning & supervision

COMPLIANCE & SAFETY

- Compliance & quality
- Risk monitoring & safety

DIGITAL

- Digital transformation consulting
- Engineering information systems
- Data as a source of value
- Digital twin
- Operating information systems
  Industrial control systems & cybersecurity, Security & site protection

Assystem in nuclear.

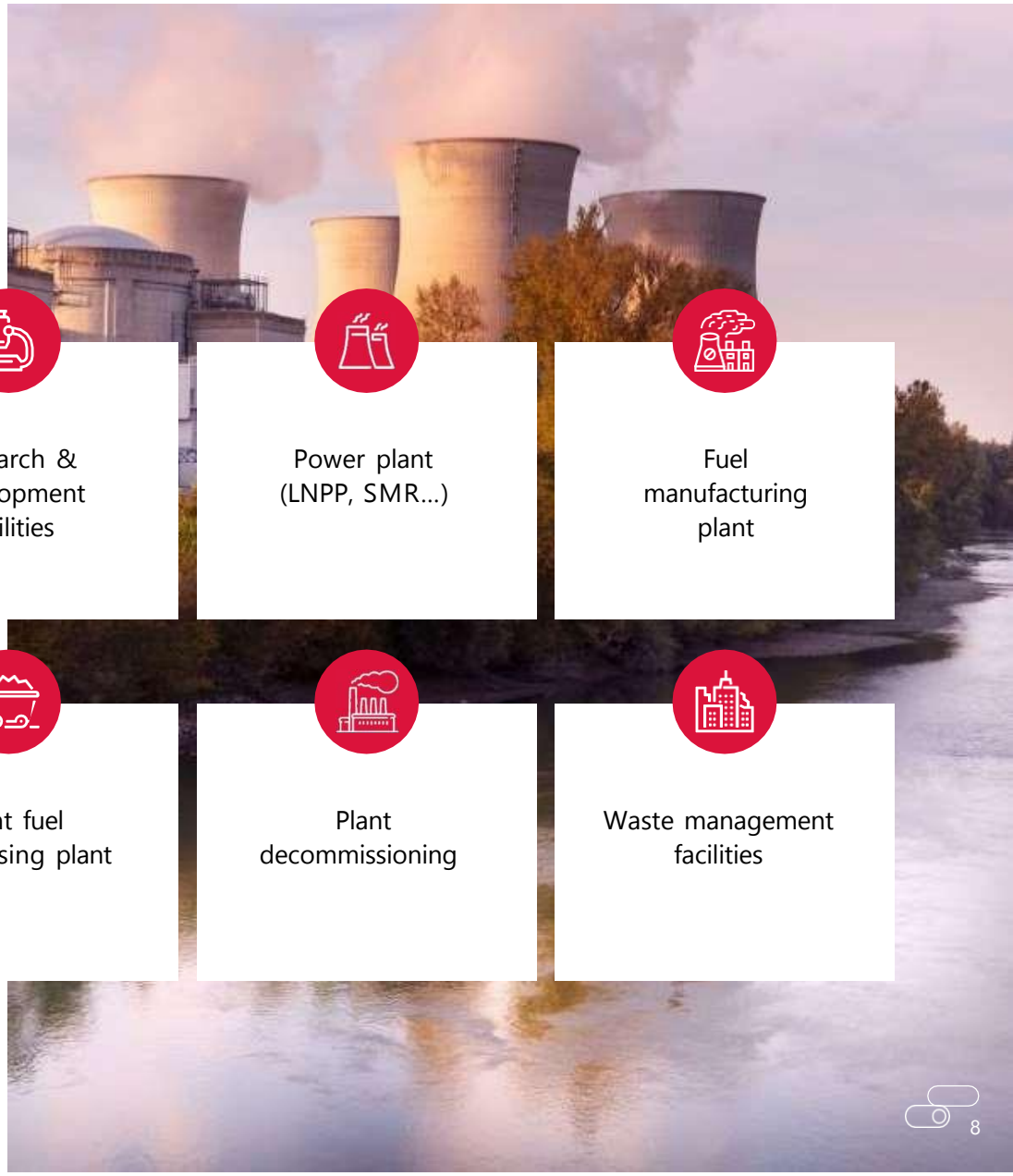
CONTEXT

Assystem is ranked in the TOP 3 independent nuclear engineering companies in the world. We firmly believe that nuclear energy will be the cornerstone of the continuous effort to decarbonise global electricity generation.

Nuclear is the only energy solution that can replace fossil fuels with low-carbon energy production while satisfying base-load electrical demand.

MAIN CHALLENGES:

- Develop new capacity on schedule and within budget
- Extend the life of existing production facilities
- Improve operating performance
- Address safety, environmental and security issues
- Implement effective methodologies for faster, safer, and less expensive decommissioning



Fusion power

Assystem's conviction: fusion power has the potential to provide the world with abundant, low-carbon energy.

Assystem believes that fusion power is a technology of the future and could transform global power generation by 2050. With the potential for abundant energy and a sustainable fuel source with no negative environmental impact, fusion has the potential to meet the world's growing demand for low-carbon energy. It could :

- serve as a stable anchor in renewable energy mixes,
- offer a responsible alternative for low-carbon hydrogen production,
- or, serve as a fuel/energy reserve for industry and transport.

Abundant energy

Fusing atoms releases nearly 4M times more energy than a chemical reaction such as the burning of coal, oil or gas, and 4 times as much as nuclear fission reactions

Sustainability

Fusion fuels are widely available and nearly inexhaustible.

No CO_2

Fusion doesn't emit harmful toxins like carbon dioxide or other greenhouse gases into the atmosphere. Its major by-product is helium: an inert, non-toxic gas.

No long-lived radioactive waste

The activation of components in a fusion reactor is low enough for the materials to be recycled or reused within 100 years.

"Fusion has the potential to provide the world with abundant, low-carbon energy. It will help mitigate climate change, it will provide careers for our children and grandchildren, it will make electricity and heat more affordable and, of course, it will be clean and sustainable."
Stephane Aubarbier, Assystem COO.

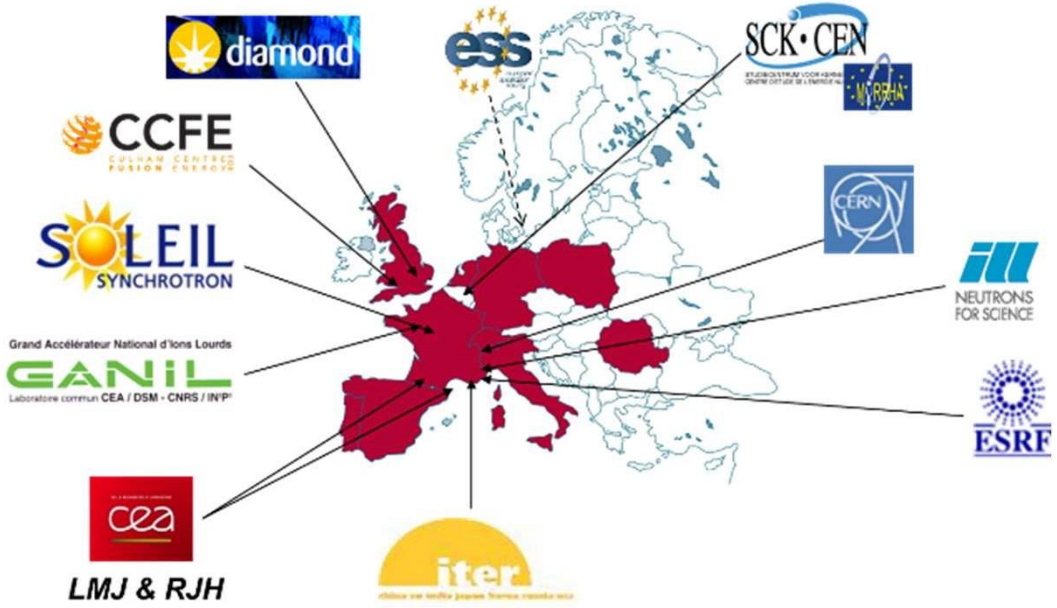
Fusion power

Assystem's experience: an active member of the Big Sciences community.

Fusion is one of the world's major research projects. The international scientific community (Big Science) has been involved in this field for many years and all fusion facilities being built are intended to push forward the science and the research of nuclear physicists.

As an active member of this Big Sciences Community, Assystem has collaborated with many of its members by contributing to major research projects such as:

- The CERN (European Organization for Nuclear Research)
- ITER (International Thermonuclear Experimental Reactor)
- The LMJ (Laser Megajoule - CEA)
- The RJH (Jules Horowitz reactor - CEA)
- ...



Thanks to this experience, Assystem is aware of the specificities and challenges of Big Sciences:

- important financial arrangements
- large-scale political commitments
- multiplicity of stakeholders on an international level
- necessary sharing of know-how to ensure the sustainability and success of a project

Assystem in south east

LOCATIONS & OFFICES

- Tricastin (Pierrelatte)
- Venelles (Cadarache)
- Marseille
- Aix-en-Provence
- Toulon

Representing ~1000 engineers and technicians

Member of Cap Energies Cluster

MAIN CUSTOMERS

- Iter, F4E, EDF, Orano, CEA, Naval Group, SID

MAIN PROJECTS

- ITER, RJH, Miessessy, GB2 , Dismantling