**INDUSTRY KEY FIGURES**

2nd French industrial region
20% of the regional GDP
14,890 companies
202,620 jobs
16% of regional employment
45 companies with more than 500 employees

**INNOVATIVE PROJECTS ON**

Mobility, Giga factory, Hydrogen, Marine Renewable Energy...

**INTERNATIONAL RECOGNITION**

Renault-Cléon plant recognized as a showcase for industry 4.0 by the World Economic Forum 2019. A first in France with this label

**STARTUP & SME ECOSYSTEM**

Offering innovative technological solutions for industry 4.0: Keyveo, Ob’Do, Leancure, Oreka, Antiote, Siatech, ...

**LEADERS & LARGE GROUPS**

Renault • PSA • Volvo Trucks
Group Safran • Aptar • EDF
Areva • Naval Group • GSK
Sanofi Pasteur • Vuitton
Faurecia • Toshiba • Schneider Electric • Bosch • Group Servier
Agrial • Danone • Isigny Sainte-Mère
...

**INDUSTRY 4.0 IN NORMANDY**

A HIGHLY INDUSTRIALIZED REGION AT THE CUTTING EDGE OF INNOVATION

Normandy is a leading industrial region with many skills that allow it to stand out in different sectors, traditional, niche or high value-added. The region is famous in automotive, oil and derivatives, aeronautics, naval, nautical, pharmaceuticals, agri-food, cosmetics, energy, the glass and transport and logistics industries.

Industry 4.0 in Normandy aims to elevate industry by improving industrial competitiveness through 6 major points: lean manufacturing, digitalization, human resources, energy transition, corporate social responsibility and innovation.

The Normandy Region supports the growth of its economic fabric by constantly contributing to the improvement of companies' competitiveness.

**INNOVATION, RESEARCH & DEVELOPMENT**

French companies that have concretely developed an innovative project for the organization of their production, most often via digital technology. Here are some examples of outstanding companies in the region were awarded "Industry of the Future" label.

▲ **RENAULT CLEON**

Automated logistics carts, sensors, 3D printing, exoskeletons, collaborative robots or virtual reality training.

▲ **FAURECIA**

Involving employees in the digital transformation of the site, developing exchanges and partnerships with start-ups, schools and local mid-cap companies and by accelerating the digitization of the site, particularly with the implementation of collaborative robots.

▲ **CMN**

Modernization of the production tool, improvement of industrial organization, responsible development and positioning of the human in the company.

▲ **ORANO LA HAGUE**

Use of virtual reality allows for optimized operator preparation under the same conditions as in real life.

▲ **COTRAL LAB**

The Cotral Digital Lab project aims to computerize production operations and customer data, digitize manufacturing and integrate artificial intelligence to optimize production management.

▲ **BOSCH EMS**

The Norman site won the plant trophy for its strategic positioning, the efficiency of its production system and its methods of team involvement.

▲ **SCHNEIDER ELECTRIC**

The Norman site has been selected as one of the pilot sites for industrial digital transformation within the Group’s plants through its TSC 4.0 (Tailored Sustainable and Connected) program.

▲ **NUTRISET**

Operating in a serious global nutritional situation, Nutriset has been able to implement a highly agile industrial business model in France and in its network of local partners.
TRAINING

▲ INSA ROUEN (www.insa-rouen.fr/en)
Diploma in Industrial performance and innovation

▲ ESITEC (www.esitec-caen.com)
Degree in Construction Engineering

▲ ESIGELEC (www.esigelec.fr/en)
Master in Industrialization 4.0 Manager

▲ ENSICAEN (www.ensicaen.fr/en)
Diplomas in Engineering in Electronics and Applied Physics

▲ CESI (https://caen.cesi.fr)
Master’s degree in Industrial Organization & Performance

▲ ISPA (www.ispa.asso.fr/ispa-plasturgy)
Learning class through a connected technical platform

▲ ISEL (www.isel-logistique.fr/en)
Degree in Mechanics and Production

▲ EIC
Degree in Construction Engineering

▲ ESIX (www.unicaen.fr/esix)
Industrial Systems Engineering Engineer

SERVICES & SUPPORTS

▲ NORMANDIE INDUSTRIE (www.normandie-industrie.fr)
Regional platform of support services managed by AD Normandie (Regional Economic Development Agency) for accelerating industrial projects 4.0. It aims to bring together all existing initiatives, mechanisms and actors in the region within a single window for supporting industrial companies.

▲ CETIM: TECHNICAL CENTRE FOR MECHANICAL INDUSTRY (www.cetim.fr/en)
Support to improve companies’ competitiveness through mechanical engineering, transfer of innovations and advanced manufacturing solutions.

▲ COMPETITIVENESS CLUSTERS FOR INDUSTRIAL COMPANIES
Normandy is rich in industry associations and competitiveness clusters in the industrial sectors: aeronautics, digital, health, energy, agri-food, logistics and others: they support companies in becoming “the factory of the future” through a range of appropriate actions.

CONTACT
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