



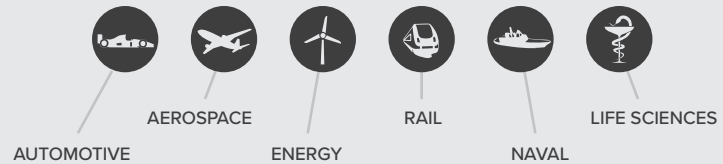
LET'S SHAPE  
**THE FUTURE  
TOGETHER**

[www.segulatechnologies.com](http://www.segulatechnologies.com)



# GLOBAL ENGINEERING GROUP

HELPING BOOST COMPETITIVENESS IN ALL  
MAJOR INDUSTRIAL SECTORS



 13 000+  
EMPLOYEES

 30+  
COUNTRIES

 140+  
LOCATIONS

 300+  
CUSTOMERS

 200+  
R&I PROJECTS  
EVERY YEAR

## Our values

### RESPONSIVENESS

Our responsiveness is a decisive competitive advantage when it comes to recruiting new talents. It allows us to quickly respond to the specific needs of our customers and partners, while at the same time adapting to technological developments.

### AMBITION

Our ambition is to serve the ambitions of our customers. As a leading engineering company, our success lies in our ability to project ourselves and to share our love of challenges with our teams and stakeholders.

### PROXIMITY

With 140 sites around the world we can pay close attention to our customers and adapt perfectly to local differences, mainly through our top-level field resources.

### INNOVATION

Research and Innovation form the core of our engineering projects. Our know-how in projects such as connectivity, renewable energies, energy consumption and many others open up exciting prospects.

# INNOVATION

AT THE HEART OF THE GROUP'S STRATEGY

Innovative, marketable and competitive solutions...

Industry 4.0  
*(Augmented reality, 3D printing, 3D scanning...)*



Connected and autonomous mobility



The environment



Bioengineering



Tools and advanced methods



New materials



Data engineering  
*(Artificial intelligence, Smart data...)*

## AN ATTRACTIVE EMPLOYER

ALWAYS ON THE LOOKOUT FOR TOP TALENT



Thousands of new recruits every year worldwide



Close relationships with leading engineering colleges and universities



Outstanding career opportunities : functional and geographical mobility, skill development



# AEROSPACE AND DEFENSE

## Designing tomorrow's aerospace solutions

### ENGINEERING

Structure, Calculation, Aerospace systems,  
Dependability, Test benches, Industrialisation, Design  
to data, Industry 4.0

### TOOLING

Design, Calculation, On-site manufacturing and  
installation, Assembly, Tuning, Performance testing  
and development

### PRODUCTION SERVICES

Structure assembly, Finishing, Global intervention offer,  
Repair works, Implementation of digital processes,  
Data science

## THE SEGULA

-  International support from  
design to maintenance
-  An industrial culture for ever  
more efficient solutions
-  Expertise in digitisation  
of service and production

### PRODUCTION

Sheet metal work, Machining, Surface treatment,  
Structural assembly, Equipment assembly,  
Elementary parts production

### MAINTENANCE

Technical support, Global maintenance offer,  
Navigability, Projection of teams to base,  
Equipments / systems / Own products, Predictive  
maintenance, Painting



## AUTOMOTIVE AND INDUSTRIAL VEHICLES



**Accelerating the transition of vehicles to E-Mobility: autonomous, environmentally friendly and connected**

### VEHICLE AND POWERTRAIN ENGINEERING

#### EMBEDDED SYSTEMS

ADAS and Autonomous Vehicle, Operational Safety, Software Development, Electricity and wiring




#### EQUIPPED BODYWORK

Style and design, Vehicle architecture, Detailed design, CAE and simulation, Management of serial life projects: costs, quality and localisation

#### MECHANICS

System integration of powertrain, Chassis/suspension systems, Alternative powertrain, Engine control and calibration

## THE SEGULA

-  Mastery of skills: design, create, develop and validate vehicles and powertrains
-  Recognised expertise: Definition and implementation of production lines
-  Large scope of in-house testing facilities: engine test benches, roller and vehicle test benches, test tracks

### VEHICLE PERFORMANCE

Validation plan and tests, Customer requirement deployment, Regulations and compliance, Vehicle endurance

### PROCESS ENGINEERING

#### PROCESS AND SUPPLY CHAIN

Process engineering and industrialisation, Optimisation and industrial performance, Logistics and supply chain, Design, manufacture, set up and get started assembly lines, Assembly and prototype validation



## ENERGY

**Enabling access to competitive, sustainable and decarbonised energy**

### RENEWABLE ENERGY

#### **WIND, SOLAR, STORAGE, HYDROPOWER, GREEN HYDROGEN, ENERGY EFFICIENCY**

Blade design, turbine integration, calculation  
Manufacturing support, industrial process  
engineering and tooling

Fuel cells and electrolyzers development

Project engineering and field services

Revamping of ageing assets

Energy storage solutions

Digital optimisation



### TRANSMISSION AND DISTRIBUTION

#### **HIGH/MEDIUM VOLTAGE LINES, SUBSTATION, SMARTGRID**

Design of transmission lines and substation

Distribution and network connection, smart grid

## THE SEGULA

-  Engineering of energy infrastructure projects (wind, solar, hydro, oil and gas, nuclear, etc.) from conceptual phase to construction and commissioning
-  Sustainable and competitive solutions for the energy industry leveraging the Group's automobile legacy

### OIL AND GAS

#### **PETROCHEMICAL PLANTS**

Engineering and installation of process units

Construction supervision and commissioning

Large maintenance and inspection

Decarbonisation and energy efficiency

### NUCLEAR

#### **INSTALLED BASE AND NEW REACTORS**

Nuclear engineering for new projects

Support to operation and maintenance of NPP



## RAILWAY



### Decarbonisation accelerator for greener transport




#### ROLLING STOCK

Product and process design, Interior equipment, Calculation, Systems and subsystems, Project management, Validation, Testing, Commissioning, Integrated logistics support, TCMS

#### SIGNALLING AND ELECTRONIC SYSTEMS

System and sub-system architecture design, operational safety, Train computer networks, Tests and trials, battery pack, e-motors and electronics

## THE SEGULA

-  System engineering disseminating safety and environmental standards
-  Global footprint matching our customers' footprint
-  An agile structure that spreads innovation and creates value for all players in the sector

#### INFRASTRUCTURE

Studies, project management, works supervision

#### OPERATION AND MAINTENANCE

Complete validation plan from component to vehicle, including sub-systems, certification and homologation



NAVAL



## Taking maritime expertise to the next level

### DESIGN

Architecture, Stability and sea keeping of vessels, Hull, Structure and mechanical design and calculation, System engineering (functional studies and diagrams for fluid, HVAC, electricity and automation), Outfitting

### OPERATION-MAINTENANCE

Through life and in-service support, Life extension modification engineering (refit - retrofit), Onboard loading software for ship stability and hull girder resistance

## THE SEGULA

-  Technical expertise in all areas of naval design
-  Proximity to major port sites and shipyards on the French coast and international support
-  Development and integration of environmentally friendly propulsion solutions

### CONSTRUCTION




Manufacturing engineering (pre-equipment and equipment), Logistics method (block slinging/support), Supervision of works and on-board coordination (technical and accommodation zones), Conformity check, Product and process quality, Test procedures, Commissioning





## LIFE SCIENCES

# THE SEGULA

-  Specialist in product (medical devices) and process (pharmaceutical) engineering
-  Research and innovation in biomaterials, chemistry and process engineering
-  Product (CE marking) and process (GMP, ISO 13485) quality management

## Supporting industrial performance and regulatory compliance

### PHARMACEUTICAL

#### NEW WORKS

Feasibility study, Rough/detailed design, Commissioning, EAI, HVAC, Utilities

#### ENGINEERING AND PERFORMANCE

Revamping, Capacity increase, Process improvement, Supply chain optimisation

#### QUALITY AND COMPLIANCE

Simplification of documentation systems, Deviation management/CAPA, Quality control optimisation, Qualification/validation, Metrology

### MEDICAL DEVICES

#### PRELIMINARY STUDIES

Design and functional analysis, Numerical calculation, FMECA

#### DESIGN AND VALIDATION

Mechanics, Plastics processing, Electronics and IEC 62304, Validation and verification tests

#### INDUSTRIALISATION

Design of the production line, Writing of specifications and validation of tools, Implementation of an efficient quality system (QA)

# Why choose SEGULA



A **MULTI-SPECIALIST** Group with a wide technical offer across all industrial sectors and throughout the life cycle of projects



Ability to deal with **COMPLETE PROJECTS** (project management) with **PERFORMANCE OBLIGATIONS**



Geographical proximity ensuring **RESPONSIVENESS** and an international presence to **SUPPORT OUR CLIENTS** in their global projects



**INNOVATION** at the heart of our strategy and positioning on **TECHNOLOGICAL SKILLS** highly sought by the market (augmented reality, big data, etc.)



Structured human resources management at the heart of the Group's development strategy, with the aim of **DEVELOPING SKILLS** every day





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