



# CORPORATE PRESENTATION

# SEGULA Technologies

## 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

PROXIMITY

AMBITION

INNOVATION

# A STRONG INTERNATIONAL FOOTPRINT

## AMERICAS

Argentina  
Brazil  
Canada  
Colombia  
Mexico  
USA

## ASIA - OCEANIA

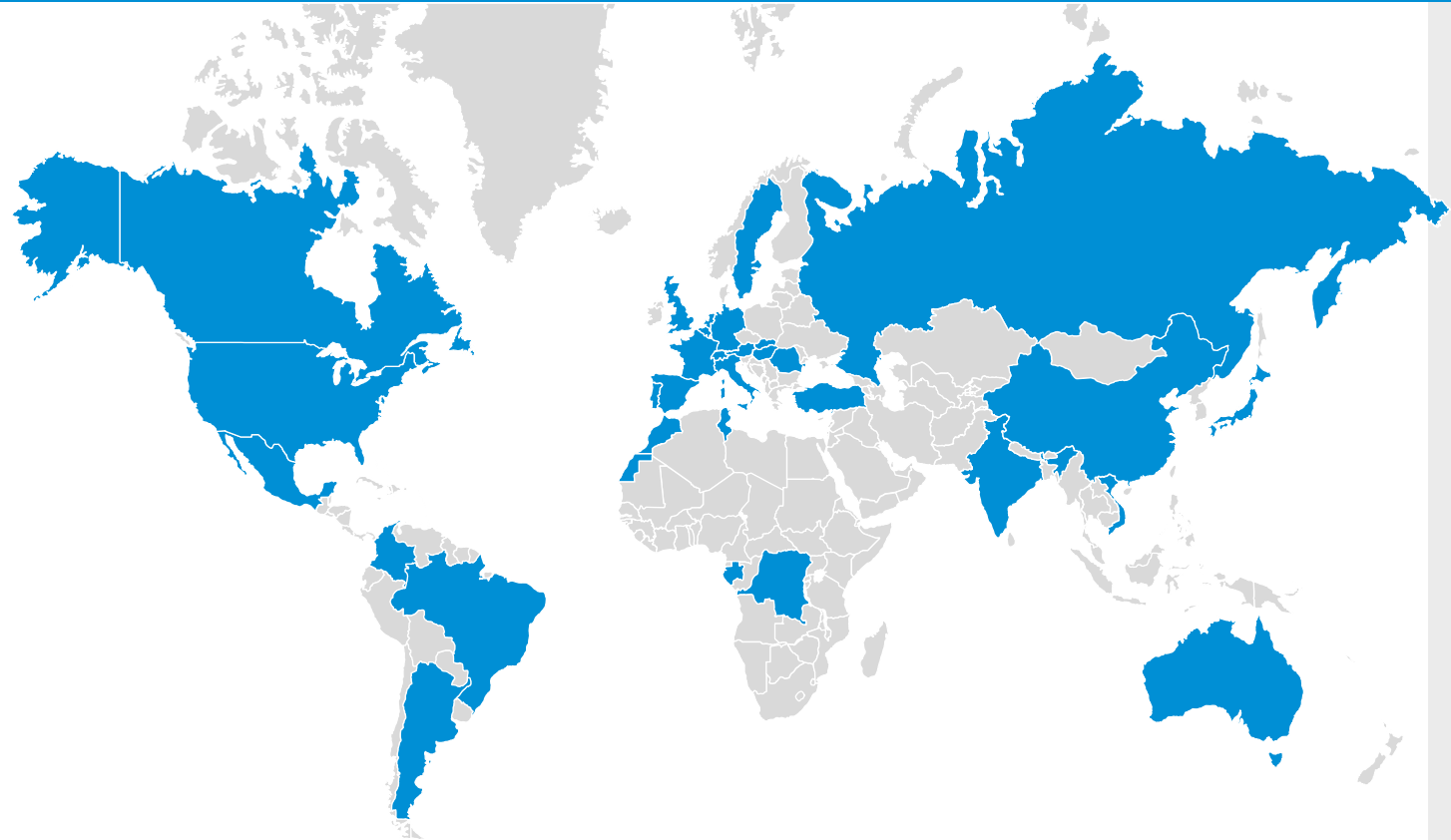
Australia  
China  
India  
Japan  
Vietnam

## EUROPE

Austria  
Belgium  
France  
Germany  
Hungary  
Italia  
Netherlands  
Portugal  
Romania  
Russia  
Slovakia  
Spain  
Sweden  
Switzerland  
UK

## MEA

Congo  
Gabon  
Israel  
Morocco  
Tunisia  
Turkey



# AN ATTRACTIVE EMPLOYER

## ALWAYS ON THE LOOKOUT FOR TOP TALENT



Thousands of new recruits every year worldwide

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Close relationships with leading engineering colleges and universities

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Outstanding career opportunities: functional and geographical mobility, skill development

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# INNOVATION

AT THE HEART OF THE GROUP'S STRATEGY

## CUTTING EDGE SOLUTIONS AND EXPERTISE AVAILABLE TODAY

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



Tools and  
advanced methods

Connected,  
autonomous mobility



New materials

The environment



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



## DESIGNING TOMORROW'S AEROSPACE SOLUTIONS

### ENGINEERING

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

### PRODUCTION SERVICES

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

### PRODUCTION

Sheet metal work, Machining, Surface treatment, Structure assembly, Equipment assembly, Tooling

### MAINTENANCE

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

## THE SEGULA

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

### SOME OF OUR REFERENCES



**BOMBARDIER**



LATÉCOÈRE

**THALES**

**LIEBHERR**  
Aerospace





## AUTOMOTIVE ENGINEERING IS ENTERING A NEW DIMENSION

### MANUFACTURING 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

### VEHICLE AND POWERTRAIN ENGINEERING

#### EMBEDDED SYSTEMS

ADAS and autonomous vehicles, Operational safety, Software development, Electricity and wiring

### EQUIPPED BODY

Style and design, Vehicle architecture, Detailed design (body and equipment), CAE and simulations, Management of serial life projects (costs, quality and localisation)

### MECHANICS

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

### VEHICLE PERFORMANCE

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

## THE SEGULA +

- + All the skills required to design, create, develop and validate vehicles and powertrains
- + Recognised expertise in the definition and implementation of production lines
- + Large scope of in-house testing facilities (engine test benches, roller and vehicle test benches, test tracks)

### SOME OF OUR REFERENCES





## ADAPTING DESIGN AND OPERATION TO ENERGY TRANSFORMATIONS

### DESIGN

Product and infrastructure design, Wind turbine foundation, General installation, EIA, High-voltage electrotechnical, Process engineering, FEA Calculation, Metallic structures and frames, Rotating machinery, Civil engineering



### CROSS-FUNCTIONAL EXPERTISE

Project management, Scheduling, Quality, Inspection and control, Methods and industrialisation, Document engineering solutions, Operation assistance, Environmental studies

### WORKSITE ACTIVITIES

Preparing maintenance and turn round, HSE, Supervision, Commissioning

## THE SEGULA

-  Centres of expertise on the entire energy mix (wind, solar, hydraulic, nuclear...)
-  Design and project engineering services, commissioning support and operations

### SOME OF OUR REFERENCES







## REACHING A MILESTONE IN MARITIME EXPERTISE

### 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

### OPERATIONS-MAINTENANCE

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

### 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

## THE SEGULA

-  International support for major European players
-  Expertise on surface vessels, submarines, passenger ships and harbour facilities

### SOME OF OUR REFERENCES





## FROM INDUSTRIAL DESIGN PROJECTS TO IMPLEMENTATION



### ENGINEERING

Piping and general installation, EIA, Process, Structure, Static and rotating machinery, Conception and design, 2D and 3D modelling, Mechanics, Cost estimation, Civil engineering, Contract management assistance, Project management

### SUPPORT SERVICES

Procurement, Field engineering, Construction management, Commissioning, Start-up, HSE

## THE SEGULA

-  Involvement throughout the entire investment cycle, from extraction to distribution and storage
-  Expertise in petrochemical, chemical and metallurgical processes

### SOME OF OUR REFERENCES





## SUPPORTING INNOVATION IN HEALTHCARE

### EXTENSION OF PRODUCTION CAPACITIES

Volume increase strategy, Development of new products, New technologies

### CHANGES TO REGULATIONS

Modernisation of the production tool to adapt to regulatory changes

### INCREASED SITE COMPETITIVENESS

Improvement of manufacturing processes (lean methods, work on the supply chain, automation, etc.)

## THE SEGULA

-  Expertise in quality, maintenance and support in industrial strategy
-  Research and innovation in biomaterials, chemistry and process engineering

### SOME OF OUR REFERENCES





## MAKING MOVING EASIER BY PLANNING AHEAD

### ROLLING STOCK

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

### SIGNALLING AND ELECTRONIC SYSTEMS

System and sub-system architecture design, Dependability, Train computer networks, Tests and trials

### INFRASTRUCTURE

Studies, Project management, Works monitoring

## THE SEGULA

-  Centres of excellence network in Europe and Asia
-  Partner of the main OEMs, large operators and Tier 1 of the rail market

### SOME OF OUR REFERENCES



**BOMBARDIER**

**ALSTOM**

**SIEMENS**



**STADLER**

# 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



**THANK YOU**

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

