Sirea Group in brief

Founded in 1994, Sirea Group consists of a team of nearly fifty-five people, spread across five companies in three countries. It also works with a network of partners in all the countries in which it operates.

Sirea Group has high level of technical expertise in the fields of electricity, automation, electronics and IT which it uses to develop and create comprehensive products and solutions.

The group has developed this technical expertise in three complementary areas:

- Expertise in energy management and renewable energy
- Continuous training on new technology for staff
- Being available, open, responsive and always close at hand to work directly with customers
**Fields of business**

- Automation
  - Sirea Group designs and markets smart automation solutions, along with IoT and M2M platforms.
  - The design and production of PLC components meets the needs of equipment manufacturers and integrators who want to provide management and control of decentralised systems.
  - The technology provided by Sirea Group meets the requirements of Industry 4.0 and smart factories: automation of industrial processes and special machinery, augmented reality, edge computing and smart data.

- Energy
  - Since its founding, Sirea Group has been strongly focused on energy management. Sirea Group provides energy management solutions incorporating measurement sensors, grid management systems and remote monitoring and management software. It also offers a complete range of self-consumption solutions with storage and creates hybrid systems to supply isolated sites. All equipment and facilities are custom-made for each project to deliver a reliable energy supply from different production sources, both conventional and renewable.

**Solutions**

**Products**

- Wireless sensors
  - For environmental and health monitoring
- Smart controllers
  - For managing machinery, with configurable input/output
- IoT gateways
  - Sigfox, LoRa, GSM, RF, Zigbee compatible
- Software
  - IoT, augmented reality
- Energy managers
  - For single and collective self-consumption applications

- Automation cabinets
- Hybrid power supplies
- Energy storage (stationary)
- Self-consumption/self-production solutions
- Electrical switchboards, HV/LV transformers

**Services**

- Design, R&D
  - Industrial processes, OEM products
- Engineering
  - Industrial, electronic, control and automation processes
- Industrialisation
  - Production lines, factory automation in small or medium-sized productions
- Production
  - Machine building and assembly of mass-produced products

- Installation
  - Assembly, electrical, hydraulic and mechanical processes
- Commissioning
  - Technical assistance, assistance to the contracting authority
- Maintenance
  - Technical diagnosis and thermography
- Training
  - Electrical training and service

**Project’s examples**

**Energy**

- Hybrid photovoltaic/generator power plant on an isolated site

  **Project details:**
  - Voltage: 400 VAC, Max. power: 12 kVA, Photovoltaic power: 30 kVA, generator: 240 kW storage.

**Advantages of our solution:**

- Reduction of operating and maintenance costs
- Faster and safer transmission of the equipment
- Use of data through a simple web browser

**Advantages of our solution:**

- Remote control and remote monitoring of medical gases

  **Advantages of our solution:**
  - Monitoring of storage tanks and the distribution of medical gases
  - Management and real-time of medical gases used in operating theatres
  - Management and real-time of systems for isolated sites

**Augmented reality**

- OMERE, maintaining the French electricity network with augmented reality

  **Advantages of our solution:**
  - Remote expertise for maintenance
  - Minimisation of intervention time and economic impact
  - Image recognition of elements
  - Analyses and on-site digitalisation