



Liquid Process
Powder Process
Automation and Information Technology
Software Solutions

COURBON



Process must go on

COURBON, a group dedicated to industrial process...

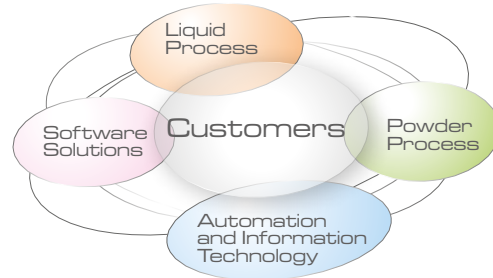
We support you within the framework of your investment programs and the optimization of your industrial process.

We intervene on your whole industrial process, whether it is for **new installations or for revamping**: ranging from electricity to the management system and the implementation of manufacturing units.

Our experience of your industrial process, our **multidisciplinary skills**, our size and organization guarantee you the implementation of **reliable solutions, adapted to your stakes**.

We make a commitment beyond the achievement of a project: we accompany you, from the definition of your need to the maintenance of your installations and we assure the training of your teams.

In an approach of **permanent innovation**, we offer solutions taking up the challenges of **sustainable development**.



Sustainable development

Sustainable Development which is today the basis of a new culture, will also constitute a new economic upsurge in the future (reduction of raw materials, cutting of production costs, decrease in energy consumption and improvement of the fame).

ISO 14001 certified, Courbon remains by your side in your ecological initiative.



Liquid Process

Design and construction of dosing and mixing installations of liquid and pasty products:

- feasibility and capacity studies
- brief and detailed preliminary design, project ownership assistance
- technical and qualification assistance
- package vendor, achievement of turnkey process units and peripherals: industrial utilities, water distribution, cleaning and sterilization stations, HVAC,...

Turnkey projects of any trade from the preliminary design to the assistance to production and the training

Compliance with the pharmaceutical regulation

Brain-trust at your service

Commitment to performance, deadlines and costs

Our assets

Thierry Giro
Engineering project manager
Merial group

At the launching of our project, the industrial development of our process was far from being finalized. In this particular context, COURBON PROCESS ENGINEERING knew how to adapt to the unforeseen events and meet all our requirements, in spite of a strong constraint of deadline. COURBON PROCESS ENGINEERING knew how to take up the «challenge» which had been fixed from the beginning and contributed to the success of our project.



Powder Process

- Construction of turnkey plants of powders and granulates dosing and mixing
- Design and supply of intensive mixers and rotating drum mixers
- Pneumatic transport and mechanical handling
- Dosing and micro-dosing stations

Performance obligation

Process expertise

Control of regulatory constraints

Consideration of the **operational costs**

Achievement of Process packages **all over the world**

Our Assets

Alfred Hörner
International Technical Director
Saint-Gobain group

Each plant is specific. I found in SOFRADEN a responsive partner, able to innovate to meet our requirements as regards the evolution of our manufacturing process.



Services

Consultancy

- Master plan
- Expertise/Audit
- Preliminary design study, opportunity survey and feasibility survey
- URS, solution specification
- Evaluation of standards compliance
- Technical and functional study
- Assistance with system optimisation and operation



Spare parts

- Studies and diagnostics
- Delivery
- Stock



Approved training centre

- Diagnostic and preparation
- Application training
- Assessment
- Support



Technical assistance

- Production assistance
- Start-up assistance
- In-operation service contract
- Information system support
- Hotline



24/7 maintenance contracts

- Hotline
- Third-party Operating Maintenance
- Third-party Software Package Maintenance
- Third-party Application Maintenance



Automation and Information Technology

- Solutions of automation and information technology that meet your requirements: **plan and pilot the process, clean, control and notify, record and trace**
- Revamping of the equipment and software that have become obsolete to secure and make durable the production tool
- Adaptation of the architectures to your additional needs and your constraints



- Our Assets**
- Project **methodology**
 - Multidisciplinary** skills
 - Knowledge and expertise** of your activity sector
 - Robust and reliable** solutions
 - Strong ability to **mobilise teams**

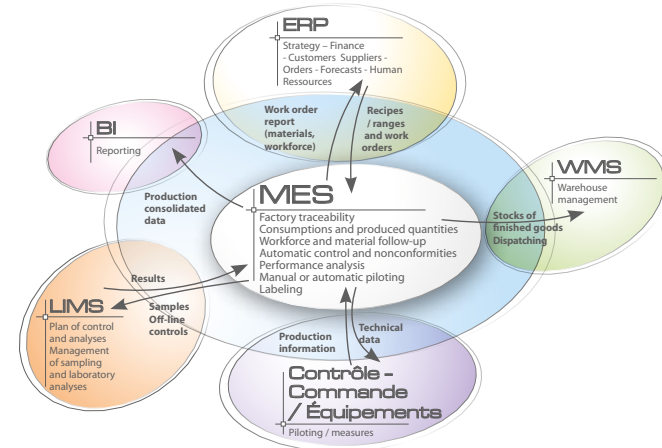
Pierre-Olivier Hacquard,
Investment project manager
Blédina - Danone group

The constraint of the revamping of the piloting tool was transformed into a real opportunity of progress for the site.

Software Solutions

- Conception of innovative software to:
- increase the productivity of installations
 - improve the quality of products
 - control the information and **guarantee the respect of regulations**

- Software specialized for **production, packaging and quality**
- Software **dedicated** by business sector
- Methodology adapted** to «core model» projects
- Support for **multi-sites** deployments
- Multi-lingual** software
- Networks of **technological partners**



Stéphane Lopez
Chief Information Officer
Fleury Michon group

On the basis of PRODUCIM®, we implemented a unique application on several production units. The COURBON software carries-out the traceability and the follow-up of the industrial performance. For us, CIO, the stake in the project was to understand properly the production processes to correctly model them, from the ERP to the PLC. We had to get the right information in the right place with an adequate level of detail, without increasing the management for the operators. The COURBON teams have been competent to support us in this approach.

Our Solutions

PHARMACIM® PRODUCIM®



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Life science

- Pharmaceuticals
- Biotechnology
- Chemicals
- Cosmetics
- Veterinary products

Process, Utilities and Packaging
Liquid forms and dry forms

Food & Beverage

- Baby food
- Bakery and confectionery
- Grocery and sophisticated industrial products
- Delicatessen, convenience food, meat market
- Dairy products
- Beverage
- Petfood
- Animal nutrition

Construction Chemicals

- Mortars
- Glues
- Additives
- Plasters
- Refractory

Chemicals

- Agricultural Chemistry
- Lubricants
- Plastics, rubbers
- Polymers
- Glass

Manufacturer

- Automotive
- Aeronautics
- Equipment manufacturers

Environment

- Waste treatment
- Mud treatment
- Water treatment

Energy

- Electricity
- Gas
- Nuclear

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Some of our international
achievements