

Pharmaceutical Bioscience

Working with our partners in the Pharmaceutical & Life Sciences sectors to deliver integrated technical solutions in specialist environments

The complexity demanded by modern production and research standards and the necessary compliance with international regulations is a requirement which Tractebel is well positioned to handle, providing our clients with integrated technical solutions from feasibility / planning to detailed design to project management through to commissioning and qualification also taking into account operational resilience, health & safety and energy efficiency.

Our approach

- Understand our clients' objectives and the technical brief for the project
- Define the applicable standards and regulations for design, installation and commissioning in line with cGMP standards
- Integration of all services taking into account DQ, IQ and OQ requirements from the initial design up to commissioning & qualification through P+IDs.
- Validation of design against FDA and ISO14644-1 and local applicable standards

Client benefits

- Assurance that the installation is handed over in full compliance with the current required standards
- Full resilience of all systems to minimize the risk of operational shut-down
- Traceability of all documentation concerning plant, systems and operating & maintenance.

Our added value

- Integrated design and coordination of services
- Validation of equipment and design of the required services to connect to the main systems
- Validation of design and commissioning / qualification
- Our modelling and design expertise to minimize the environmental impact and optimize energy efficiency

Our efficient management procedures ensure high standards of delivery and effective document traceability at all stages of the project.

We recognize that the success of any project is highly dependent on a clear definition of the building operations together with the international and national standards to be adopted and an efficient management system for document control and clearly defined procedures for design, equipment validation, installation, testing, commissioning and qualification.



SOME REFERENCES PHARMACEUTICAL SECTOR

Jessa Hospital, Hasselt, Belgium
New Sterilisation Centre

Objective
The hospital at Jessa required a new modern central sterilisation unit (CSU) that would meet current and future legislation. This new "State of the Art" CSU was constructed in an existing industrial building on the industrial estate outside the hospital campus.

Solutions
Tractebel carried out all Stability studies, technical installations studies and a Medical equipment study working together with the architect, Osar.

Results
The CSU, which serves both the Virga Jesse and the Salvator sites has the capacity to handle the needs for 1400 beds. In addition, the CSU has a disinfection zone with 6 rinsing islands and 7 washing machines, a clean packing zone with 8 sterilisers and a sterile storage zone.

Catholic University, Leuven Belgium
Nanotechnology Laboratory

Objective
The construction of two new nanotechnology laboratories on the Arenberg III Campus complete with administrative support buildings. The design of Corelabs A &B demanded a high degree of specialist skills to maintain tight clean-room environmental controls.

Solutions
Tractebel carried out the integrated engineering design including structural, electrical distribution, pipework and HVAC services including the critical areas of acoustics and vibration control.

Results
The two critical laboratories were delivered within the required parameters of very low vibrational interference levels through the design of the foundations and buffer zones, together with highly accurate climate , dust and lighting controls as demanded by the critical research being undertaken.

Princess Grace Hospital, Monaco
Extension and upgrade

Objective
The development comprises of state-of-the-art technical suites, 22 operating theatres and beds for 576 patients. The existing hospital remains open during the works, creating complex challenges that demand innovative solutions from all the project parties.

Solutions
Tractebel carried out the Complete project management for geotechnical design, structures and vertical transportation for all areas of the hospital and is particularly demanding due to the tight site restrictions, topography and local seismic activity.

Results
The project is being carried out in three phases and includes the construction of below-ground parking and two new buildings with a land area of 12,750 m2. The superstructure of the new hospital is composed by 4 buildings separated by two vertical seismic joints.

urban@tractebel.engie.com