

Engineering and Industrial Cluster

The Engineering and Industrial Cluster is mainly comprised of the Rey & Lenferna Group and of the Forges Tardieu Group, which were created in 1940 and 1931 respectively. We are involved in various fields of Civil Engineering and rely on a team of competent engineers, technicians, site managers and field workers.

The Engineering and Industrial Cluster is organised in 17 legal entities and its 13 highly-specialised divisions cover 6 territories (Mauritius, Mayotte, South Africa, Rwanda, Réunion Island and New Caledonia). This cluster targets a wide range of industries such as mining, agribusiness, textile, building and construction, and over the past years, it has been exporting its expertise and services to several countries including Chad, Swaziland, Zambia, Nigeria, Tanzania, Mozambique, Kenya, Madagascar, and the Seychelles.

Water Projects

The Water Projects division offers a comprehensive range of products and services to meet the business needs of our customers, allowing them to manage their resources efficiency while minimising their overall operational costs and environmental impact. This division is involved namely in the design, supply, installation, testing and commissioning of public health and fire-fighting installations, turf irrigation (including golf) and swimming pools equipment, as well as water treatments plants.

Working in close partnership with major manufacturers worldwide in these fields, we have secured a leading market position in Mauritius for all industrial and agricultural water solutions. As such, we have been involved in various prestigious projects in the Indian Ocean region including hotels, IRS/RES-type villas and commercial/high-rise buildings.



Electrical Projects

The Electrical Projects division has over 20 years of proven expertise and offers a real one-stop shop for low-voltage and medium-voltage applications. We ensure high-quality services at competitive prices while meeting the set project time frame and specifications. Our dedicated team of professional engineers and technicians is capable of designing, supplying, installing, testing and commissioning the above-mentioned systems.

The range of products/services available comprises of fire alarm solutions, telephone and data installation, electrical installations, transformers and medium-voltage panels. This division is also increasingly focusing on green solutions such as LED lighting and photovoltaic systems, in line with its strategy to promote such solutions.



Welding Equipment and Accessories

The Welding Equipment and Accessories division was initially set up in 1988 to meet the internal needs of our group. It progressively expanded its activities to serve external clients, to the point of becoming one the major suppliers of welding machines, electrodes and welding accessories in Mauritius. The division sells a wide range of consumables and accessories including protective equipment for welders, welding gases such as Argon and Atal, as well as air treatment equipment.



Lifts and Escalators

The Lifts and Escalators division is a market leader in Mauritius. With an install base of over 300 units over the island, it has established itself as a reliable partner for vertical transportation. Today that division is capable of offering energy-efficient products to its customers with a vast range of finishes to choose from. The product line covers micro-lifts, passenger lifts, goods lifts, escalators and travelators.

Mechanical Workshop

Over the years, the Mechanical Workshop division has acquired a very strong goodwill based on reputable know-how and excellence in job executions. The mechanical workshop employs 90 people including engineers, technicians, boiler makers and coded welders on a full-time basis. Its fabrication process covers all conventional activities including turning, milling, plate bending, (SMAG, TIG, MIG, SAW) welding, bevelling, rolling, thermal plasma and mechanical cutting, drilling, stress relieving, shot blasting, finishing and assembling.

Typical projects undertaken by our workshops include carbon steel and stainless steel custom-made parts, tanks, sugar equipment, frames as well as pipes and fittings. The use of a range of the most versatile metal fabrication equipment, along with advanced production and control technologies enables the provision of flexible and cost-efficient services. Additional inline services include the maintenance of motors and the refurbishment of sugar factory equipment including mill rollers, steam turbines and shafts.



Project Management

We have proven expertise in developing, planning, executing and controlling a wide range of mechanical engineering projects. We pride ourselves of our ability to provide accurate, high quality services tailored to meet individual project requirements. We can customise project management best practices to suit our clients' requirements and needs while placing primary emphasis on all milestones of the project, including scope and definition planning, budget development, detail engineering, procurement, inspection and testing, construction, commissioning and start-up.

Our Project Management arm provides an organisation with powerful tools to improve its ability to plan, implement and control its activities as well as the ways in which it utilises its people and resources.

Industrial Supplies

The supply of industrial equipment coupled with all the other services that our Group offers to the various industries in which we are involved was a coherent and logical step forward in our expansion process.

Material Handling and Warehousing Equipment

With only the storage capacity as input, we can design an entire warehousing facility while supplying and installing all the racking, shelving, lift trucks, cranes and good lifts needed to operate the said facility both efficiently and effectively.

Steam and Energy Equipment

Steam has numerous applications, including textile manufacturing, sugar manufacturing, food processing, power generation, steam cleaning, laboratories and, more generally speaking, process steam. We supply the most appropriate solutions to meet industry-specific needs in terms of steam and energy conservation products such as boilers, burners, burner management systems, steam and condensate equipment, pipes and insulation.

Fluids Management

We offer products for fluid handling, storage, and conditioning such as pumps, tanks, pipes and pipelines, air compressors, centrifugals and heat exchangers.

Lubrications Solutions

Lubrication-related problems are the cause of nearly 70% of equipment failures, resulting in downtime, cost overruns, lost productivity and abnormal tear and wear of industrial equipment. This is the reason for which we offer a wide range of lubrication systems as well as oil, grease, bearings, chains and gearboxes, amongst others.

Conveyor Belts

We can deliver to your organisation custom-made or stock conveyor belts and accessories, ranging from a vast array of agricultural and food processing applications to mining and printing.

Instrumentation

To efficiently run any process, it is vital to measure, record and control various process parameters including temperature, pressure, levels and flow. With many years of experience in the instrumentation field, we define the best solution for each specific industrial application.

Parts and Supplies

We also manufacture a wide range of industrial supplies in engineering plastics such as polypropylene, polyurethane, food grade plastics as well as joints, gaskets, guides, oil seals, hydraulic packings, scrappers, wheels, bushings, rollers, etc.



Mining Accessories and Engineering Products

For the past 20 years, one of our South African subsidiaries, N. Bellstedt & Co. (Pty) Ltd, an approved BBBEE company, has been a reliable supplier of laboratory equipment and reagents, lifting and rigging products, mining hoses, steel wires, etc. to the South African mining industry as well as to several mines throughout the Sub-Saharan region.

Design and Consultancy

Over the years, we have developed considerable experience and expertise with regards to designing, process piping, steam piping, storage tanks and support structures.

For instance in the construction industry, our expertise in structural engineering and steel construction allows us to provide very efficient designs for portal frames. Wherever clear open spaces are required, our design office is well geared to offer competitive solutions. Typical applications are warehouses, which are needed in every industry. We also offer design services for multi-storey, steel and composite construction for various applications, including industrial, commercial and residential.

We are very active in the manufacturing sector and recently designed and built a number of steel structures for a stone crushing and screening plant. Our consultancy services have also been sought by a solid waste processing plant to improve their operations and expand their handling capacity, as well as to resolve air pollution issues related to their compost filtering facility. Furthermore we have been conducting a study to improve material handling, bagging and storing facilities at a flour factory. We are currently working with a civil contractor to find the safest and most economical way of dismantling an old rail bridge spanning over a 100m deep ravine.



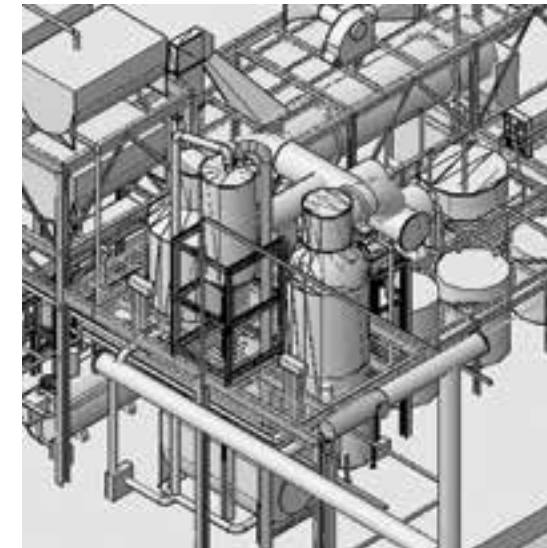


Air Conditioning and Ventilation Contracting

We have been present on the Mauritian market for more than 20 years in this particular field and our rich experience and partnerships with world-renowned brands enable us to offer tailor-made air-conditioning and ventilation solutions. Our range of services comprises design, supply, setting-up and commissioning of such installations.

We are capable of offering the most appropriate solutions, ranging from direct expansion to chilled water systems, for medium and large scale air-conditioning applications. Our experienced engineering teams understand the intricacies and dynamics of the various industries and ensure that the set requirements are well understood prior to executing the design/installation. We also offer precision cooling solutions mainly for server rooms and data centres. Moreover, we are intensively involved in extraction systems, fresh air supply systems and pressurisation systems, as required in most buildings.

We are currently putting major emphasis on energy savings for air-conditioning applications and we are able to propose combined direct expansion and chilled water cooling solutions for precision cooling applications.



Process Control and Instrumentation

Process control and automation aim at improving the overall profitability of production processes by enhancing their efficiency and decreasing their relative operational costs. This is achieved through the integration of various equipment, services and systems. The automation of a manufacturing plant will digitally control all the variable process parameters such as temperature, pressure, level, flows, etc. As a result, it will provide better decision support, downtime analysis and drastically reduce human errors while increasing safety in the plant.



Service Centre

Offering a top-of-the-range service to our clients is one of our key concerns and we have decided to set up a service centre equipped with a comprehensive range of service tools and equipment. Our service team employs 70 motivated people including engineers and highly-qualified technicians who ensure inspections and surveys, preventive maintenance, workshop or field service repairs of the equipment that we would have delivered to our clients, whether individuals or organisations.

Companies involved in our Engineering and Industrial Cluster

- **Forges Tardieu Ltd** (Mauritius)
- **Fortek Ltd** (Rwanda)
- **Fortek Sierra Leone Ltd** (Sierra Leone)
- **Fortaweld Ltd** (Mauritius)
- **Fotaflex Ltd** (Mauritius)
- **T.T.S. Ltd** (Mauritius)
- **I.C.S. Ltd** (Mauritius)
- **E.C.S. Ltd** (Mauritius)
- **Oisel (Maurice) Ltee** (Mauritius)
- **Oisel Overseas Ltd** (Mauritius)
- **Oisel Réunion SARL** (Réunion)
- **Oisel Nouvelle Calédonie** (New Caledonia)
- **Rey & Lenferna Ltd** (Mauritius)
- **Rey & Lenferna International Ltd** (Mauritius)
- **Powergen Ltd** (Mauritius)
- **Linux Solution Ltd** (Mauritius)
- **Watertech Ltd** (Mauritius)

Countries where our Engineering and Industrial Cluster exports its expertise

Burundi
Chad
Kenya
Mozambique
Madagascar
Nigeria
Rwanda
Swaziland
Seychelles
Tanzania
Zambia
Sierra Leone

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Products Index

Industrial Supplies

- Batteries: starter, VRLA, deep cycle, Planté batteries
- Racking
- Shelving
- Good lifts
- Cranes
- Lift trucks
- Boilers
- Burners
- Burner management systems
- Steam & condensation equipment
- Air compressors
- Centrifugals
- Heat exchangers
- Oil, grease & lubricants
- Bearings
- Chains
- Gearboxes
- Conveyor belts & accessories
- Joints
- Gaskets
- Guides
- Hydraulic packings
- Wheels
- Bushings
- Rollers
- Low hydrogen and highly alloyed electrode
- Highly alloyed electrodes with low carbon content suitable
- Electrodes for cold welding of cast iron
- Highly alloyed electrode with Cr, Ni and Mn
- Special coated electrode for under-water welding
- Multipurpose and low temperature brazing rods with flexible coating

Water Solutions

- Public health installations
- Fire-fighting installations
- Turf irrigation (including golf) and
- Swimming pools equipment
- Water treatment plants & facilities
- Swimming pools testing kits
- Water treatment plants testing kits

Electrical Installations

- Low voltage and medium voltage applications
- Fire alarm solutions
- Electrical, telephone & data cabling
- Transformers and medium voltage panels
- Led lighting
- Photovoltaic systems

Mining Equipment and Supplies

- Laboratory equipment, consumables & reagents
- Lifting and rigging products
- Mining hoses
- Steel wires

Air Conditioning Solutions

- Direct expansion systems
- Chilled water systems
- Extraction systems
- Fresh air supply systems
- Pressurisation systems
- Precision cooling solutions

Lifts and Escalators

- Micro-lifts
- Passenger lifts
- Goods lifts
- Escalators
- Travelators