



➤ PROJECT SUPPORT SERVICES DIVISION
FOR YOUR TOUGHEST PROJECTS



T&C TROUVAY
GULF & CAUVIN

Channelling energy



ISO 9001
ISO 14001
OHSAS 18001



A PARTNER YOU CAN COUNT ON

In its quest to meet the world's demand for oil and gas, the energy sector is constantly seeking to bring into production untapped or underused reserves. These resources are often located in countries that have a complex geopolitical context. Delivering piping solutions and building facilities and infrastructures in these regions can be extremely challenging.



THE BEST OF TROUVAY & CAUVIN GROUP

Founded in 1881, Trouvay & Cauvin Group is one of the world's leading stockists and project package specialists for the distribution of steel pipes and tubes, valves, instrumentation equipment and related components used in fluid and gas transmission. Today the experience and capabilities we have acquired over the years working in emerging markets is now available through a single point of contact: **the Project Support Services division.**



A PERMANENT LOCAL PRESENCE

To ensure smooth delivery in complicated settings throughout the construction project life cycle, a dedicated procurement/expediting team is assigned to each contract. Project Support Services Division representatives work side by side with you in country for the duration of the project to ensure the highest level of operational efficiency. This unique combination of products and services makes us the only global Steel and Material/Equipment solution provider in the world to provide end-to-end packages to construction projects located in challenging business environments.



FOR CHALLENGING BUSINESS ENVIRONMENTS

The Project Support Services division specializes in providing one-stop material, equipment and service packages for engineering and construction projects in the Oil & Gas, Water and Power markets. We serve projects in the GCC, Iraq, Afghanistan, Angola, Nigeria, Pakistan, Somalia, Uganda and Yemen. We supply the broadest possible range of equipment and steel by matching end-user technical specifications with our global sourcing network. **We help you avoid problems generated by supply chain issues, local security challenges or poor procurement communications.**

COUNTRIES

- GCC
- Iraq
- Afghanistan
- Angola
- Nigeria
- Pakistan
- Somalia
- Uganda
- Yemen





SPECIAL SITE EQUIPMENT AND SERVICES

Our dedicated project service teams handle a wide range of construction site requirements and project related equipment. This includes supply and installation, site assistance for start-up and commissioning, operator training, and maintenance.

CONSTRUCTION PROJECT-RELATED SERVICES AND EQUIPMENT:

- Scaffold supplies/installation/safety management
- Lloyds and DNV approved PFP (passive fire protection) systems
- Fast-track pressure vessel and steel fabrication works
- Extra-large diameter valves and fittings up to 150"
- Hazardous and non-hazardous lighting
- Complete dosing and mixing systems
- Sampling and chemical injection, odorization and detection systems.
- High pressure air-driven liquid systems, gas booster and air amplifiers

ACCOMMODATION AND SITE EQUIPMENT FOR PROJECTS IN REMOTE AREAS:

- Living quarters and accommodation for onshore and offshore projects
- All types of containers and prefabricated housing for fast mobilization, including housing, kitchen, canteen, water treatment, sewage treatment, hospital, sanitary containers, power stations, incinerator and laundry
- GRP water tanks for potable and non-potable applications (up to 20,000 m³)
- Steel security fencing and mobile fencing
- Container petrol stations for gasoline, diesel, Jet A1 (helicopters and aircrafts), LPG (car and cylinders refueling)
- H2S shelter protection system
- Oil & Gas mobile testing laboratory
- Safety equipment: personal protective equipment and fire-fighting equipment
- Converted and armored vehicles: fire-fighting vehicles, ambulances, security and armored vehicles (cars/truck/mini buses), refrigerated vans and trucks, 4x4 -mini buses. Spare parts for all of the above



PRODUCTS

The Project Support Services division provides the full range of Trouvay & Cauvin Group:

- Seamless and welded process steel pipes
- Seamless and welded line pipes
- Seamless and welded structural pipes
- Plates and sections
- Tubes
- Flanges and fittings
- Valves and actuators



LINE PIPE AND PUMPING STATION EQUIPMENT

- **API 610 pumps for Oil & Gas / ANSI for Water**
- **Line pipe, piping, coating**
- **Pig launchers and receivers**
- **Instrumentation** (i.e. pressure gauges)
- **Interlocking devices and installation**
- **Oil into water** analyzers and separators
- **Emergency shutdown valves and solenoid valves**
- **Pipe services** (sand blasting, beveling, coating, cement lining and galvanization)
- **Valve Automation Center** (actuator on-site survey and installation, steam and condensate audit, interlocks)
- **Automatic welding system** for line pipe, subsea, offshore and process

CIVIL WORKS EQUIPMENT

- **Construction:** graders, dozers, loaders, excavators, backhoes, forklifts, mobile cranes and scrapers
- **Mining:** mining trucks, shovels, excavators, drills and crushers
- **Power & hydraulics:** generators, batteries, compressors and pumps

Flexible
Creative
On-site solutions

Your construction planning is our priority

Responsive

- **Controlled volume (metering/dosing) pumps**
- **Instrumentation equipment**



The Project Support Services division provides products from the Trouvay & Cauvin Group core piping business. We specialize in hard-to-source products and equipment with fast-track on site delivery wherever your project is located.

ABOUT



Trouvay & Cauvin Group is one of the world's leading stockists and project package specialists for the distribution of steel pipes and tubes, valves, instrumentation equipment and related components used in fluid and gas transmission.

We operate through our main branch office in the Dubai Jebel Ali Free Zone and have nine offices in the Gulf region. We also support our customers internationally through a network of offices covering North America, Asia Pacific and India.

Trouvay & Cauvin Group maintains a constant 40,000 tons of stocks in the UAE, Saudi Arabia, Qatar, to support customers in their fast-track developments, projects short-falls, revamps or repairs when quick supply of steel is required to meet project schedules.



A STORY OF SUCCESS

Project

> LNG Train

Customer

> International engineering company

Location

> Ras Laffan, Qatar

Contract value

> 18 million USD



1ST CHALLENGE

Late delivery critical items

The customer construction site team was told by its principals that 150 pieces of Extra-Large 144-inch lateral tees and 90° elbows would be delivered to the site six months late. These fittings were needed for the LNG water-cooling system. The 50-meter-wide trenches required for these XL fittings were blocking the movement of large equipment in a crucial part of the site. Construction planning faced a major delay.

Solution: Trouvay & Cauvin Group proposed to manufacture the fittings using a fast-track process. We subcontracted the work to a large UAE-based offshore fabricator. We provided Lloyds/ABS approved pressure vessel steel plates to the fabricator. The full batch of 150 fittings was manufactured, tested and delivered by barge in less than three months. The delivered material was fully compliant with the end-user's stringent specifications.

Benefit: The customer was able to respect the project's delivery timeline.



3RD CHALLENGE

Protection of material management yard

The customer received no less than 170,000 tons of piping material during the project life cycle. The material yard was located in the desert with no protection.

Solution: We provided a mobile fencing solution with mobile gates. The solution was approved by the end-user Health and Safety department. We delivered more than 40 km of fencing in less than four weeks.

Benefit: Mobile fencing allowed the customer to modify the size of the yard to match the quantity of incoming piping material during the project.



2ND CHALLENGE

Lack of potable water for a labor camp in a remote/harsh environment

Client construction site team consisted of 200 expats and 35,000 workers at the project's peak. In the early mobilization stage, the customer needed a large water tank for the camp's potable water system.

Solution: Instead of proposing a classic steel water tank, which would have taken a five months to manufacture and deliver, we provided a 12mt x 20mt x 3mt GRP water tank with a 2,500 m³ capacity. The tank, pump and relevant accessories were delivered and assembled in less than five weeks under our supervision.

Benefit: Labor camp was fully operational in less than six weeks and the customer was able to bring in an extra 2,000 workers in a timely fashion. The GRP water tank was reusable, so it was dismantled at the end of the project and moved to another location.

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