



► PVF & STRUCTURAL STEEL SOLUTIONS
FOR THE ENERGY INDUSTRY



T&C TROUVAY
GROUP & CAUVIN
Channelling all **energies**

YOUR GLOBAL STEEL SOLUTIONS PROVIDER

TROUVAY & CAUVIN is your single point of contact for all PVF and Steel material required for any offshore or onshore conventional Oil & Gas, Low Carbon and Renewable Energy projects.

The steel requirements of such projects are so complex and critical that they can only be met by an experienced specialist with unique expertise and supply chain management capabilities such as TROUVAY & CAUVIN. That's why our solutions always combine high quality material, large inventories, logistics and value-added services at competitive prices to ensure the success of our Clients projects.



A tradition of innovation

Founded in 1881, TROUVAY & CAUVIN has become one of the leading stockists and project package specialists for the supply of piping, valves, special piping material, instrumentation equipment and related components used for transportation of fluids of any nature; worldwide. We also carry a full range of structural steel and pressure vessel-quality steel to meet the demand of our international customers involved in offshore & onshore developments.

We operate through our main hub based in the Dubai (Jebel Ali Free Zone) and have 7 offices in the Gulf region. We also support our customers internationally through a network of offices covering Americas, Europe, Asia, Africa and CIS countries. Furthermore, to support our customers in fast-track developments, projects shortfalls, revamps or repairs, when quick supply of steel is required to meet project schedules, we maintain 15,000 tons of readily available stocks in 7 logistic platforms.



PRODUCTS

TROUVAY & CAUVIN covers the entire product range of process piping and line pipes, structural steel, valves and actuation packages, steam and condensate handling products, as well as instrumentation for use in oil & gas, low-carbon and renewable energy, power, chemical, petrochemical and water treatment industries.



PROCESS PIPING & LINE PIPES

TROUVAY & CAUVIN is able to supply a wide range of CS, SS and AS seamless and welded pipes along with a complete range of the corresponding forged and butt weld fittings such as elbows, tees, reducers, caps, and branch fittings. We also supply a complete range of flanges up to 20,000 psi.

All our material is sourced from reputed mills with which TROUVAY & CAUVIN maintains strong relationships.

Based on our long-standing experience, we are able to meet any specific project requirement, be it material coating, technical specification or inspection services.

STRUCTURAL STEEL

TROUVAY & CAUVIN also specializes in providing the entire range of structural steel for offshore and onshore applications as well as pressure vessel-quality steel.

Our range includes:

- Hot rolled plates up to 200mm thick in all types of heat treatment (As Rolled / TMCP / Normalized / Q&T)

- Tubulars, both seamless (up to 24" OD) and welded (14" and above)

- Hot rolled Section Beams in imperial and metric sizes up to 914 / W36 and welded Girders above

- Hollow Sections; equal, unequal and inverted Angles; flat, round and square Bars, in all sizes and grades

All these products can be supplied in accordance to international standards (i.e API / ASTM / BS / EN...), and can be modified to suit specific technical project requirements.



INDUSTRIES

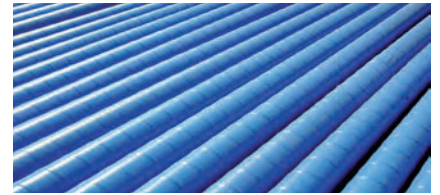
We support both greenfield and brownfield projects in the following sectors:

UPSTREAM

- Offshore Exploration & Production
- Onshore Exploration & Extraction

MIDSTREAM

- Pipelines
- Oil & Gas Transmission and Distribution
- LNG Terminal



VALVES & ACTUATION PACKAGES

TROUVAY & CAUVIN carries a wide range of valves and actuators from leading manufacturers.

We are able to supply any type of valve such as Gate, Globe, Check, Ball, Butterfly, Needle and other special application valves. In addition, our valve offering covers a wide range of sizes, pressure ratings and grades, allowing us to respond to the needs of a variety of applications and industries.

We also provide Valve Actuation Services, either directly at our Valve Automation Centers or on-site anywhere in the world. We are approved by most of the major end users, and are supported by the main major actuator manufacturers.

Retrofit services, including survey and automation of manual valves in service, can be carried out either on site or at any of our facilities.

Our customers are the main players of the project cycle: end users, EPCs, fabricators and maintenance contractors.

DOWNSTREAM

- Oil Refinery & Gas Processing Plants
- Petrochemical & Fertilizer Plants

POWER AND RENEWABLE ENERGIES

- Nuclear, Gas & Biogas Power Plants
- CSP Plants, Offshore Wind Farms
- Hydrogen (Production & Transportation)
- Biomass & Waste to Energy Plants

OTHER INDUSTRIES

- Construction, Water, Infrastructure
- Mining
- Agri-food, Industrial Gases, Manufacturing Plants



STEAM & CONDENSATE

TROUVAY & CAUVIN provides a full range of products that enable you to handle all aspects of steam and condensate systems contributing to efficiency and performance optimization.

Our products can be used at any points of a steam and condensate system, from the steam production to distribution points, and from the point of use to the return of the condensate to the boiler.

We carry a wide range of products from the world's leading manufacturers, including all types of steam traps, air vents, drain traps, manifolds and valves.



INSTRUMENTATION

For pressure and temperature measuring instruments, TROUVAY & CAUVIN provides an extensive range of switches, gauges, sensors, transmitters and instrumentation from the world's leading instrumentation specialists that deliver the precision and reliability that your applications require.

STOCK

The recognized capabilities of TROUVAY & CAUVIN in delivering major project packages is based for a large part on our extensive inventories, which are kept in our state of the art facilities. We carry over 15,000 metric tonnes of stock covering process piping valves and structural steel.

Our inventories are strategically located in logistics hubs close to our customers operations, to ensure fast delivery. All products kept in stock are new, fully traceable and manufactured by reputed mills. They meet or exceed international standards and comply with stringent project specifications.





PROJECT SOLUTIONS

Based on our extensive expertise, TROUVAY & CAUVIN provides tailored solutions designed to optimize the completion of key steps in your project.



PRODUCT PREPARATION

To help extend the service life of pipes and valves, we provide a highly responsive painting/coating service at our on-site coating facility - the only one of its kind in the Gulf region, or subcontracted through reputed third parties in other regions. We offer blasting, internal and external, fusionbonded epoxy coating, 3LPE and any special coating and painting required by project specifications. Our product preparation services also include cutting, hot-dip galvanizing, threading and grooving.



SOURCING & PROCUREMENT

Over the years TROUVAY & CAUVIN has forged strong and strategic partnerships with the most reputable mills and suppliers, allowing us to source, on behalf of our clients, quality products with optimised delivery and at competitive prices. Our regular purchase of large inventories allows us to maintain mills allocations, which can also be used by our customers in case of fast-track development, to provide them with greater flexibility.



PROJECT MANAGEMENT

Thanks to our experience, TROUVAY & CAUVIN is able to provide a unique combination of logistics, expediting, progress reporting, document control, and commercial expertise performed by a dedicated project team. This effective and overall project management service delivers high added value to your development.



MATERIAL TECHNICAL CONSULTING

Before putting your project out to bid, our highly qualified experts can assist you in identifying key areas of potential improvement in product selection, specification, asset management and system design that reduce risks and costs while optimizing productivity.



ON-SITE SERVICES

We provide bespoke technical services in steam, air and hot water management for better product and energy optimization.



PRE-COMMISSIONING

We provide a complete range of tailored post-installation services for all your valves, whether they were sourced from us or not.

PROJECT REFERENCES

As a recognized project package specialist, TROUVAY & CAUVIN is regularly involved in major international energy developments. Some of our most recent projects include:

2018 - 2020 - Philippines OSBL Stage 1 Expansion
CS, SS pipes, valves, fittings (bare and coated) - 20 MUSD

2015 - 2021 - Senegal Tortue Phase 1 Project
Structural plates, seamless and SAW tubulars, CS seamless pipes - 16 MUSD

2020 - 2021 - UAE BAB Onshore Oilfield Project
Process and line pipes, CS seamless pipes, UL/FM fittings and flanges - 33 MUSD

2016 - 2019 - Kuwait KNPC Al Zour Project
CS and low alloy seamless pipes, CS and SS fittings, flanges 40 MUSD

2019 - 2020 - Taiwan Formosa 2 offshore windfarm Project
CS plates, seamless and welded tubulars - 2 MUSD

2019 - Singapore Neste bio-fuel refinery expansion
SS welded pipes and fittings 1.5 MUSD



OFFICE LOCATIONS

UNITED STATES

T&C Piping USA, LLC
440 Cobia Drive, Suite 801
Katy, Texas 77494,
USA
Tel: +1 281 565 4400
Fax: +1 281 240 0793
info.houston@trouvaycauvin.com

EUROPE

TROUVAY & CAUVIN SAS
62, Rue Marceau,
76600 Le Havre
France
Tel: +33 (0)2 35 21 34 70
Fax: +33 (0)2 35 19 04 79
info.lehavre@trouvaycauvin.com

TROUVAY & CAUVIN Ltd
Broadgate, Broadway Business Park
Chadderton, Greater Manchester
OL9 9XA
United Kingdom
Tel: +44 (0) 161 684 7488
Fax: +44 (0) 161 684 7487
info.manchester@trouvaycauvin.com

AFRICA

TROUVAY & CAUVIN AFRIQUE
Koumassi, Boulevard Valery Giscard
d'Estaing, Immeuble Maria Della Versa,
Grand Carrefour Bietry
16 BP 607 Abidjan 16
Côte d'Ivoire
Tel: + 225 27 21 23 01 20
Fax: + 225 27 21 23 01 21
info.abidjan@trouvaycauvin.com

MIDDLE EAST

TROUVAY & CAUVIN Gulf FZCO
Jebel Ali Branch
P.O. Box 16954, Jebel Ali Free Zone,
Dubai
United Arab Emirates
Tel: +971 (0)4 883 5848
Fax: +971 (0)4 883 5997
info@trouvaycauvin.com

T&C EQUIPMENT TRADING L.L.C
P.O. Box 413028, Office No. 1301-17,
Floor 13, Aspin Commercial Tower,
Trade Center 1st, Sheikh Zayed Road,
Dubai
United Arab Emirates
Tel: +971 (0) 4 883 5848
Fax: +971 (0) 4 883 5997
info.dubai@trouvaycauvin.com

TROUVAY & CAUVIN Trading and Services LLC
P.O. Box 2117, Doha,
State of Qatar
Tel: +974 4 434 2402
Fax: +974 4 498 2273
info.doha@trouvaycauvin.com

T&C EQUIPMENT TRADING L.L.C.
Bahrain Branch
P.O. Box 60503, Manama,
Kingdom of Bahrain
Tel: +973 1 743 1483
Fax: +973 1 743 1983
info.manama@trouvaycauvin.com

MIDDLE EAST EXCLUSIVE AGENTS

TROUVAY & CAUVIN Engineering Supply LLC
P.O. Box 2016, Abu Dhabi
United Arab Emirates
Tel: +971 (0) 2 627 1496
Fax: +971 (0) 2 627 5410
info.abudhabi@trouvaycauvin.com

PAN ARABIAN OFFICE Co. Ltd.
P.O. Box 4119, Al Khobar 31952
Kingdom of Saudi Arabia
Tel: +966 (0)13 882 1115
Fax: +966 (0)13 882 9609
info.dammam@pan-arabian.com

PAN ARABIAN OFFICE Co. Ltd.
P.O. Box 907, Riyadh 11421
Kingdom of Saudi Arabia
Tel: +966 (0)11 203 0653
Fax: +966 (0)11 203 0652
info.riyadh@pan-arabian.com

ASIA PACIFIC

TROUVAY & CAUVIN Asia Pacific Co., Ltd
Exchange Tower, 34th Floor,
Unit # 3404-1
388 Sukhumvit Road, Klongtoey,
Bangkok 10110
Kingdom of Thailand
Tel: +66 (0)2 6725 250
Fax: +66 (0)2 6725 255
info.bangkok@trouvaycauvin.com

TROUVAY & CAUVIN China Co., Ltd.
Room 201, Bldg. # 3, Ganghui Int'l
Ind. Park,
No.69 North Changjiang Road
Nantong, Jiangsu Province,
226003
People's Republic of China
Tel: +86 513 5508 8238
Fax: +86 513 5508 5689
info.nantong@trouvaycauvin.com