



STEAM & HOT WATER SOLUTIONS

TURNKEY QUALITY AND EXPERTISES



ISO 9001
ISO 14001
OHSAS 18001



**TROUVAY
& CAUVIN**

Channelling energy



STEAM & HOT WATER EXPERTISE FIT-FOR-PURPOSE SOLUTIONS

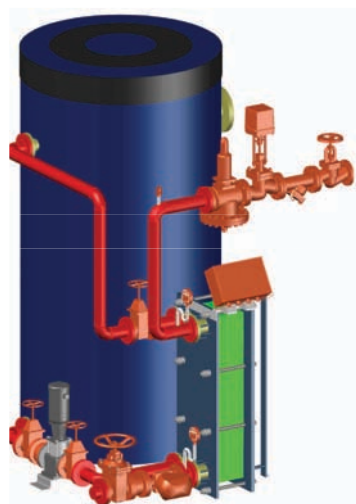
Whether for new projects or retrofits, designing steam and hot water systems is a challenge for property developers, EPC contractors and end users. Not only does it take engineering expertise and access to the best suppliers, it also requires knowledge and experience in systems integration. As a specialized project package, Trouvay & Cauvin Group offers all these capabilities in the form of state-of-the-art turnkey systems that deliver the highest levels of utility performance and efficiency.



ENGINEERING & CONSULTING

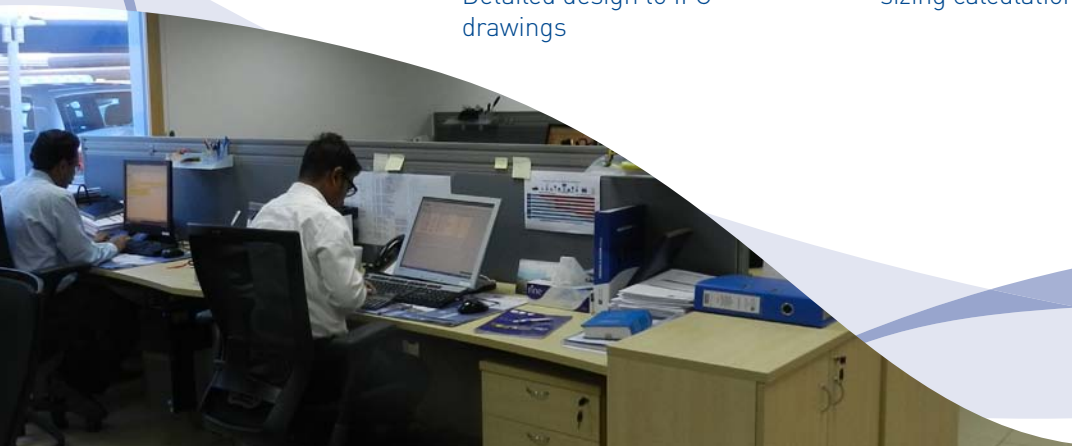
For steam and hot water systems that deliver performance excellence, it is vital to select a partner with advanced engineering and consulting capabilities. We have extensive experience in designing, specifying and integrating solutions, whether for residential, hospitality, medical or industrial and energy facilities.

You can put our expertise to work for you in a variety of ways, from energy audits of existing systems to detailed simulations for new construction. Our specialists work with you to select a tailor made system that meets even the most demanding user requirements.



DESIGN & ENGINEERING

- Sustainability calculations
- Concept design
- Demand calculation for DHW and Steam requirements
- Detailed design to IFC drawings
- Building Information Modeling (BIM)
- Isometrics
- 3D designs
- All related & required sizing calculations



»»» On-demand solutions

- DESIGN & ENGINEERING
- PRODUCTS
- INSTALLATION
- SERVICES



SUPPLIERS & PRODUCTS

It takes outstanding equipment to build high performance and reliable systems. Trouvay & Cauvin Group has exclusive partnerships with many of the top-tier product suppliers from Europe and North America. Our focus on quality extends to every part of the system. The results are turnkey solutions that can be installed smoothly, integrated in the BMS system and that offers long-lasting operation.



PRODUCTS

HOT WATER BOILERS

- Conventional hot water boilers : from 50 to 2500 kw
- High efficient condensing boilers
- Electric calorifiers

STEAM BOILERS

- Three pass reverse, wet back: from 300 to 5000 kg/hr
- Genuine 3 pass : from 400 to 25000 kg/hr
- Electrical steam boilers
- Clean steam generators

ADDITIONAL EQUIPMENT

- Chimneys
- Softeners
- Chemical dosing
- Pressurization units

CALORIFIERS

- Steel, glass lined or sinterflon lined
- Stainless steel

HEAT EXCHANGERS

- Plate heat exchangers
- Shell & tube heat exchangers

SOLAR SYSTEMS

- Flat solar panels
- Heat pipe collectors
- Thermosyphon

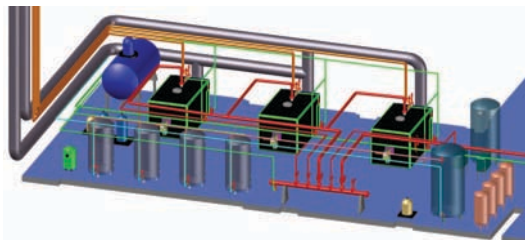
HEAT PUMPS

- Water to water
- Air to water

CONTROL PANELS

- Master control panels
- All protocols
- Remote control features





INSTALLATION

Quality is also the hallmark of Trouvay & Cauvin Group installation services. To ensure faster commissioning, full compliance with contractual and regulatory requirements, and rapid start-up, installation is provided by our exclusive partners, one of the leading mechanical engineering contractors in oil and gas, petrochemicals, refining, and building construction sector.

Installations are performed to the highest industrial standards by top-notch staff. These include senior project managers, a team of specialized engineers with an average of 15 years experience, and highly qualified, 6G coded welders for GTAW, SMAW, MIGA, certified by BVQI as per ASME standards. Inspections are performed through all phases of the project to ensure compliance with all requirements, whether operational, contractual or regulatory.

INSTALLATION

- **Senior project managers, specialized engineers** with an average of **15 years experience**
- **High qualification** : 6G coded welders for GTAW, SMAW, MIGA, certified by BVQI as per ASME standards
- **Compliance with all requirements** (operational, contractual or regulatory)



MAINTENANCE & SERVICES

To keep your hot water and steam systems operating efficiently after installation, all products are covered by manufacturer warranties, and warranty extensions are available from Trouvay & Cauvin Group. In addition, we provides a wide range of services that can be tailored to your needs, including boiler/heat exchanger maintenance, emergency intervention, preventive maintenance, maintenance contracts, repair, upgrades and operator training.

SERVICES

- Boiler maintenance
- Heat exchanger maintenance
- Preventive maintenance
- Emergency service
- Maintenance contracts
- Optimization audits
- Supervision
- Commissioning
- Repairs
- Upgrades
- Training

On-site solutions
MEP Expertise
Turnkey solutions
High Quality systems
Oil & Gas
Infrastructures



About Trouvay & Cauvin

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

We operate through our main branch office in the Dubai Jebel Ali Free Zone and have 9 offices in the Gulf region. We also support our customers internationally through a network of offices covering North America, Asia Pacific, India and Central Asia.

Trouvay & Cauvin Group maintains an active 45,000 tons of stocks in the UAE, Saudi Arabia, Qatar, Malaysia and Iraq, to support its clients in their fast-track-developments, projects shortfalls, revamps or repairs when quick supply of steel is required to meet project schedules.

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