

VE SOLUTION CO., LTD.



Natural Gas Metering & Regulating Stations Service

With over 20 years of experience, VE Solution Co., Ltd. has been a trusted partner of PTT to carry out numberless of gas metering and regulation stations construction. We have worked on various project sizes ranging from a small size; industrial skid, MR Station to support natural gas consumers for industrial business i.e. ceramic industry, glass industry, automobile, etc.



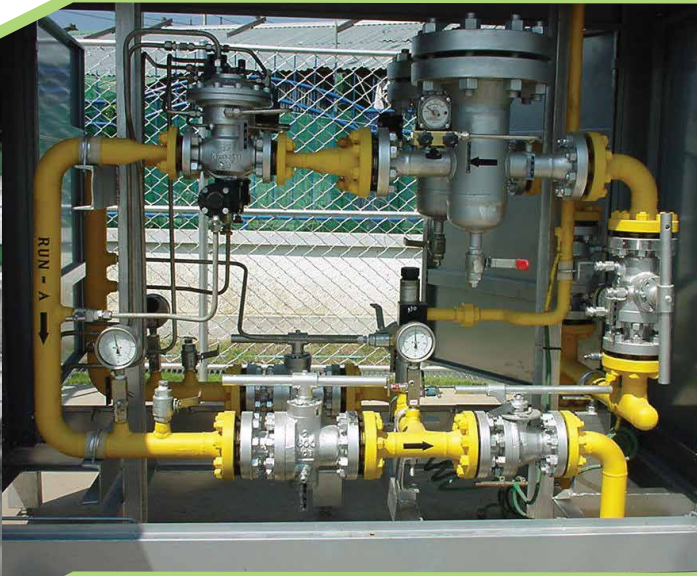
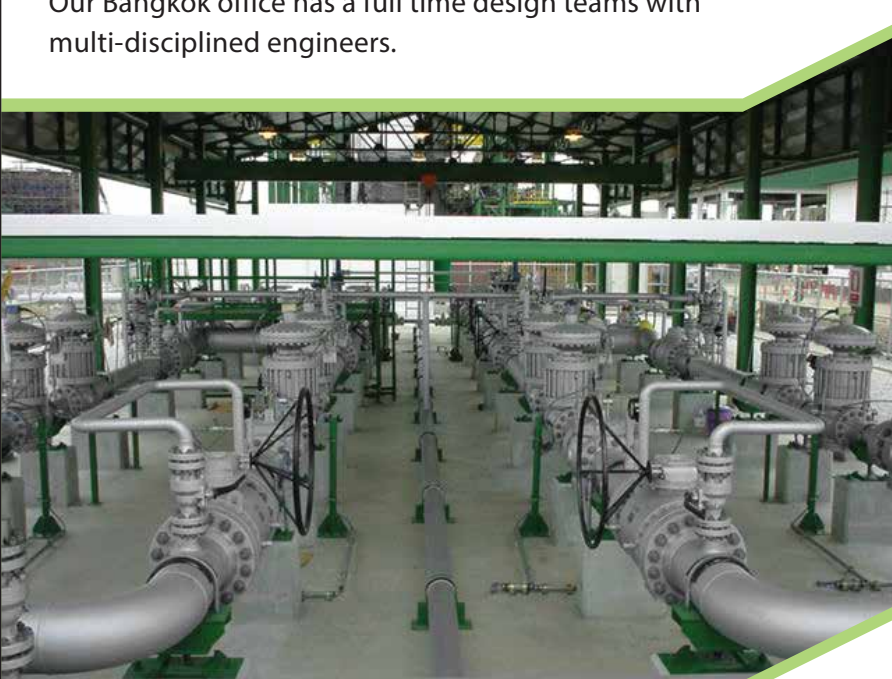
Through intermediate and large size gas metering station for power plants as called SPP, IPP and EGAT project. Our scope as Components supply and EPC contractor for more than 100 stations.



We mainly involved in engineering and supply of major components to support main contractors like ITD, STECON, JFE, TRC, GLOW ENERGY, CH. KARNCHANG, PLC. of-shore: JST, COATAL, CHEVRON THAILAND, etc.

VE Solution has designed office in Bangkok and fabrication shop in Rayong.

Our Bangkok office has a full time design teams with multi-disciplined engineers.



For Construction, VE Solution offers a wide range of service in Thailand. The most construction works have been carried out are Hot Tapping, NG inlet pipeline, Metering Skid and Outlet pipeline for PTT, petrochemical plants, refinery plants, power plants and a general industrial factory. Construction team maintains high quality by adhering to strict construction procedures and employing the most up-to-date techniques. Progress control is carefully monitored to ensure that the progress achieve master schedule. Major activities of the construction team are as follows :

- Piping Fabrication & Erection
- Steel Structure Fabrication & Erection
- Electrical and Instrument Installation & Wiring
- Building & Structural work
- Testing and commissioning



For Engineering and Procurement, VE Solution has full time design teams with multi disciplined of engineers to perform.

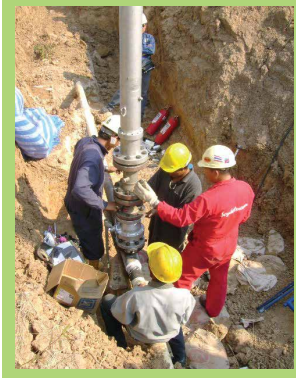
- Preliminary and detail design
- Engineering works; Mechanical, Electrical Instrument and Civil
- Drawings (Mechanical, Electrical Instrument and Civil)
- Components supply for pressure vessel, valves-actuator, pressure regulating system, measurement, gas quality instruments, MMI
- Equipment & Instrument hook up, wiring, tubing
- Site Acceptance Test, Start up & Commissioning
- Hand-on Training / As-built
- Equipment Spare Parts Supply
- After Sales and Services

Based on our competency and long term experience of engineering team who specialize in Metering and Regulating design supported from world top class manufacturers allow to exchange and collaborate on the design knowledge among PTT, Contractors and Consultants from initial point of projects.



Hot Tap & Line Stop Service

Piping systems are designed to move liquids, gases or other products in continuous flow. Shutting down of these essential systems or even portions of them could be extremely unexpected cost and time consuming. Hot tapping and line plugging are field-proven methods when alteration or repairs work is required give an advantage to avoid pipeline shut down.



Hot Tapping is the precise process where under-pressure drilling machine is deployed to cut a hole in operating pipeline to facilitate a new branch connection from the original pipe or vessel. The process is performed without any interruption of fluid flow and any leakage of the fluid container.

Single and Double Line Stop Service

Line stopping is the specialist procedure designed to temporarily stop flow within an operating pipeline. By means of temporarily inserting a plugging device to shut off the flow. The technique can be used to isolate pipeline and piping system for repair, alteration, reconfiguration or relocation. When used in conjunction with bypass line, flow can be maintained around the isolated section of pipe ensuring the production is uninterrupted.



OUR CAPACITY

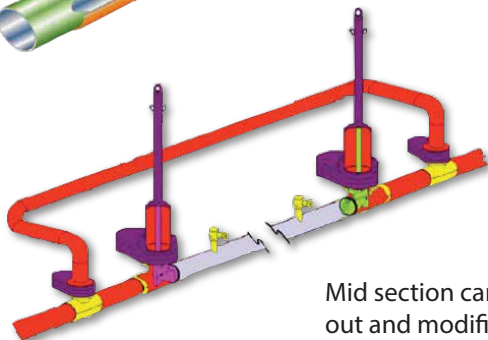
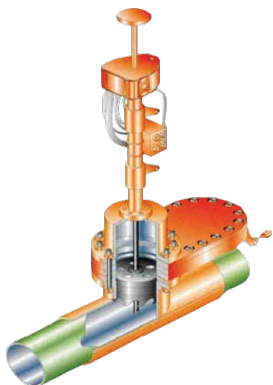
- Tapping range from 1/2" up to 42"
- Pressure rating up to 1450 Psig (102 bar) and temperature up to 370°C (700° F)
- IPSCO, Tapping Machine IP-100 for 1/2" to 4"
- IPSCO, Tapping Machine IP-406 for 3" to 16"
- IPSCO, Tapping Machine IP-914XL for 12" to 42"
- 24 Hour support from local Machines and Technician Specialist available from our Bangkok base

CUSTOMER BENEFITS

- The ability to add new pipe work with Continuous system operation—shutdown and service interruptions are avoided
- Saving time and costs
- No fluid released to the atmosphere
- Avoid cutting, re-alignment and re-welding of pipeline sections
- Avoid inerting / fluid freeing pipeline section for hot work
- Reduced planning and coordination costs
- Increased worker safety
- greater flexibility in modifying existing plant

Industrial Application

- > Transmissions Pipeline
- > Off-shore Production Platform
- > Gas Distribution System
- > Power & Petrochemical Plants
- > Mining
- > Pulp & Paper
- > Water & Waste Water System



Mid section can now be cut out and modified/repaired

Plastic Piping

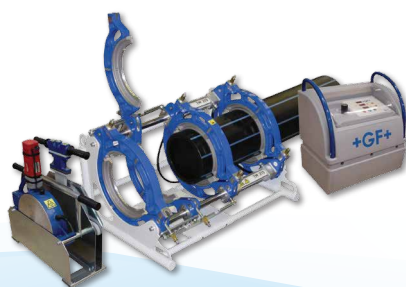
Plastic piping section supplies premium quality plastic pipe (PVCU, PVCC, PE, PP, PVDF, etc.), valves, flow & analytical meters, control instruments, butt fusion machine and tools for piping system in electronics industries, chemical industries, water & waste water treatment industries and pulp & paper industries. In addition, the section provides services for piping control and instrument on system design & installation in various industries.



Joining Technology & Tool



Socket



Butt



IR



BCF

Company Overview



VE Solution Co., Ltd., founded in 2008, with professional experiences and proficient persons, stable financial status, well-organized managerial systems and preeminent work as well as outstanding quality of services.

- Construction
- Hot Tap & Wet Tap Service
- Natural Gas Metering and Regulating Stations
- Apply NG Permit from ERC/DoEB
- Plastic Piping

VE Solution is an associate company with Vicchi Engineering Co., Ltd. Based on years experience of Vicchi Engineering in design, procurement, construction and maintenance of gas metering skid, inlet and outlet pipeline in petroleum, petrochemical and other industries. Vicchi Engineering has expanded itself by set up the affiliate company; VE Solution, to focus on project execution and integration as well as providing total solutions including project management, engineering design, procurement, fabrication & construction, supervision and commissioning valuable clients.

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Hot Tap & Wet Tap Service



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