

FLOW SPECH ENERGY

PIPING DESIGN, PLOT PLAN ARRANGEMENT, MATERIAL SPECIFICATION AND ISOMETRIC DESIGN BASED ON ASME CODE AND MATERIAL STANDARD AS ASTM, ANSI, API, JIS AND OTHERS



1. Introduction

- Flow Specs Energy is the growing Engineering group that has been operated by Qualified Engineers.
- They have been Experiences in Industrial Plant, Chemical Plant, Power Plant and Oil and Gas Refineries Plant.
- Flow Specs Energy (FSE) Create and Design Piping Arrangement, Material Specification, Installation Method by Isometrics and Cost Estimating.
- Our design and engineering have been implementing CODE for minimum requirement for Design, Fabrication and Erection. STANDART of Material Specification guidance for compatible piping accessories.

2. Our Scope of Works.

- **Piping Plot Plant Arrangement.**

Piping Plot Plant Arrangement will describe the area in the process plant and arrange all kinds of equipment and piping line in process area. They will be design separately as per drawing Index. They can be shown in 3 Dimension by PDMS Modeling Software.

- **Piping Isometric Design.**

Piping Isometric Design will describe all piping materials, piping component and piping valves. Piping Isometric drawing will show us how to install.

- **Piping Stress Analysis.**

In High Pressure Piping System and High Temperature Piping System will need stress analysis in order that all piping design that have been made are safe and no fail design. We present them in CAESAR II software.

- **Piping Material Specification.**

Piping material specification and component will be describe as detail as ASTM standard following ASME code as the rules of specification.

- **Inspection of Installation.**

Flow Specs Energy Team will guide you to execute the installation activities as the client requirement in long term or short term.



3. Our Vision.

- The Growing Technology and Economical stage will lead us to create a challenge to go step ahead.



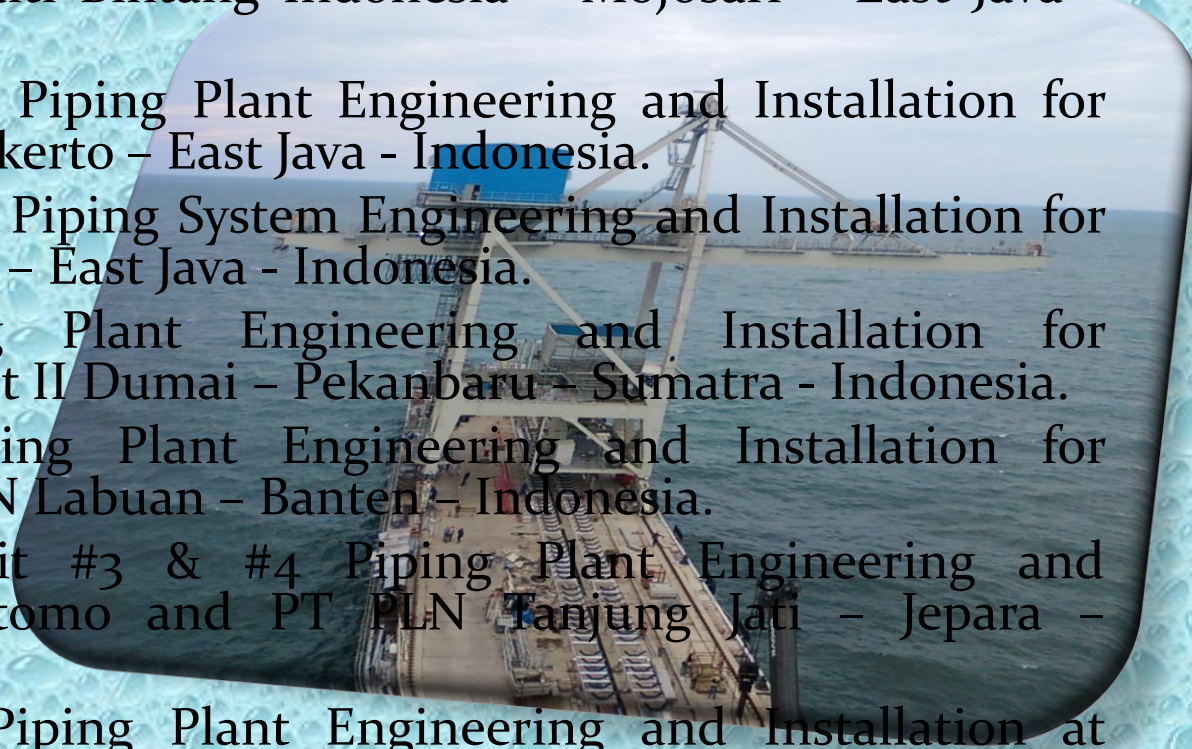
4. Our Mission.

- Creating the professional team, relationship with client and reaching core value for all elements to gain the Customers Satisfaction.



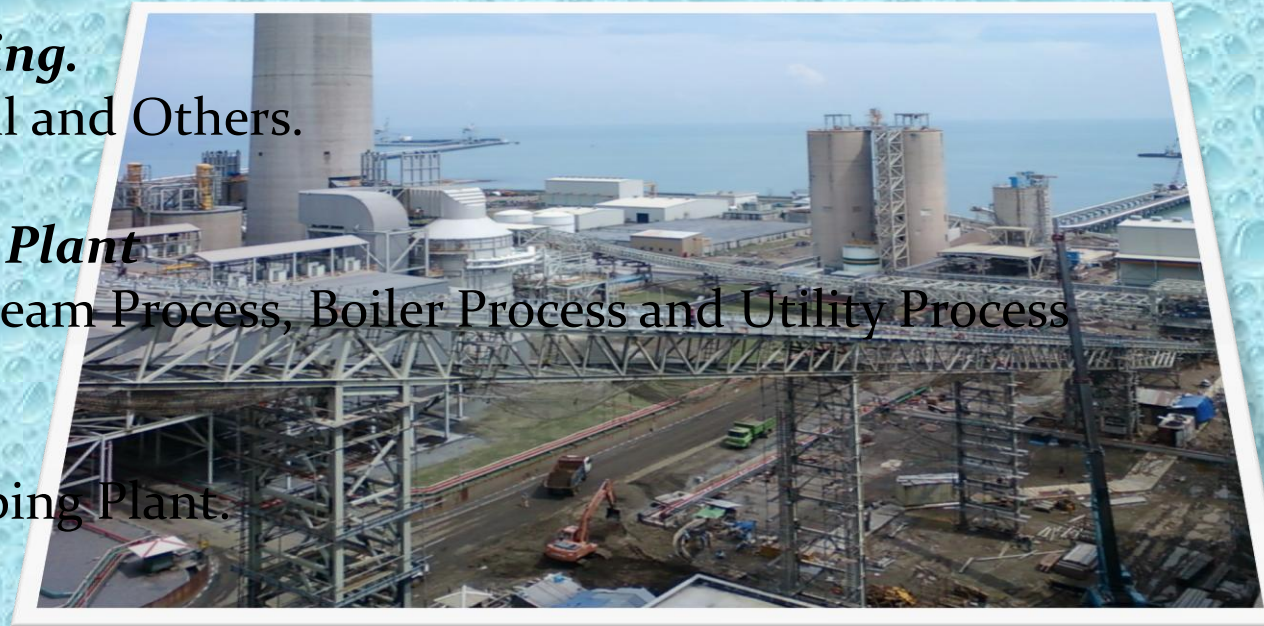
5. Personnel Experiences.

- Waste Water Treatment Plant Piping Plant Engineering and Installation for PT Multi Bintang Indonesia – Mojosari – East Java - Indonesia.
- Chemical Plant PM-11 Piping Plant Engineering and Installation for PT. Tjiwi Kimia – Mojokerto – East Java - Indonesia.
- LPG Storage Tank and Piping System Engineering and Installation for Royal Plaza – Surabaya – East Java - Indonesia.
- Oil Refinery Piping Plant Engineering and Installation for PT Pertamina LBO Unit II Dumai – Pekanbaru – Sumatra - Indonesia.
- PLTU 2x300MW Piping Plant Engineering and Installation for CHENGDA and PT PLN Labuan – Banten – Indonesia.
- PLTU 2x660MW Unit #3 & #4 Piping Plant Engineering and Installation for Sumitomo and PT PLN Tanjung Jati – Jepara – Middle Java – Indonesia.
- High Rise Building Piping Plant Engineering and Installation at Pakuwon Supermall and Royal Plaza Building Surabaya – East Java - Indonesia



6. Market Orientation.

- ***Commercial Building.***
- Office Building, Mall and Others.
- ***Industrial Process Plant***
- Beverage Process, Steam Process, Boiler Process and Utility Process
- ***Chemical Plant***
- Chemical Liquid Piping Plant.
- ***Power Plant***
- Air Service Piping, Boiler Feed Water Piping, Lube Oil Piping, Power Process Piping.
- ***Oil and Gas Process Plant.***
- Oil Piping System, Gas Piping System, Steam Piping System and Instrumentation



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Certification

The background of the slide features a dense pattern of light blue water droplets of various sizes. At the top, there are decorative wavy lines in shades of blue and teal, creating a sense of movement and depth.