



## **INDUSTRIAL TRAINING FINAL REPORT**

### **ENE PETRO SERVICE SDN BHD**

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 Company Profile**

ENE Petro Services Sdn Bhd was established in 2014 and has since transformed from a small operation into a comprehensive provider of product solutions and services within the oil and gas (O&G) and petrochemical industries. Located in the heart of Kuala Lumpur, the company combines cutting-edge technology and engineering expertise from global manufacturers, offering innovative and reliable solutions with a local touch and a commitment to professionalism.

ENE Petro Services takes pride in its diversified approach, supplying specialty engineered products while also emphasizing its capabilities in repair services. The company's service teams are factory-trained and authorized for all product lines, enabling them to offer a wide range of services, including engineering, maintenance, repair, troubleshooting, and onsite support. This multi-disciplinary approach allows ENE Petro Services to effectively cater to the complex needs of the O&G and petrochemical sectors.

The company provides fully integrated engineering services across design, procurement, construction, and commissioning. Its services extend to offshore engineering, procurement, installation, and commissioning, adding significant value to its offerings. ENE Petro Services has gained recognition for its strong technical expertise and commitment to high-quality solutions, ensuring that clients' needs are met with precision and reliability.

With a vision to become the region's leading one-stop solution hub for the O&G and petrochemical industries in Southeast Asia, ENE Petro Services aims to continuously build its reputation as the preferred choice for innovative and reliable services.

## 1.2 Service Provide

### 1.2.1 *Engineering Consultation Service*

ENE Petro Services is a team of specialists with extensive experience in the oil and gas industry. The company's core strengths lie in engineering design preparation and support across various disciplines, including mechanical and piping, civil and structural, electrical, instrumentation, and process & safety. ENE Petro Services provides engineering capabilities for both brownfield and greenfield projects, covering all stages from conceptual studies and Front End Engineering Design (FEED) to detailed design. The company supports projects of all sizes and scales, both onshore and offshore, from small modifications to major facility developments. ENE Petro Services focuses on challenging conventional approaches from the outset, ensuring that all solutions are safe, technically sound, fit for purpose, and cost-effective.



Figure 1-1: Example of Engineering Consultation Service

### 1.2.2 *Valve Servicing & Testing*

ENE Petro Services provides comprehensive valve servicing and testing to ensure optimal performance and safety in oil and gas operations. Their services include inspections, repairs, and overhauls, as well as pressure, leak, and functional testing. Skilled technicians assess valves for issues like wear or corrosion and ensure they meet

industry standards. By performing thorough valve maintenance, ENE Petro Services enhances equipment reliability and safety, contributing to the overall efficiency of oil and gas facilities.



Figure 1-2: Internal test for safety relief valve

### 1.2.3 *Safety and Inspection Service*

ENE Petro Services specializes in safety and inspection services for fire and gas detection systems critical to oil and gas operations. This includes testing, calibration, and maintenance of advanced gas detectors and fire safety systems to ensure optimal functionality and compliance with industry standards. Their certified team conducts thorough inspections to identify potential issues, ensuring systems operate reliably to protect personnel and facilities.