





 **FARGO PIPELINE**



## 1.0 Company Overview

Fargo Pipeline is a Malaysian based engineering solutions provider, offering engineering solutions to the oil and gas industry.

Fargo Pipeline's service ranges from providing technical solutions, all the way to pigging equipment supply. Our mission is to deliver innovative, reliable and customized solutions to the challenges of pipeline pigging, helping our customers to identify potential problems and conduct comprehensive risk assessments, balancing feasibility of solution with cost effectiveness, while maintaining the highest standards of service, safety and sustainability in the oil and gas industry.

We aim to provide comprehensive solutions for all requirements, with our extensive network of special consultants and service providers to cater to different kinds of requirements and challenges.

## 2.0 Company Mission & Vision

### **Mission**

In the mission to become the ultimate solution provider, Fargo Pipeline aims to provide customized engineering solutions in the most feasible and cost-effective ways.

### **Vision**

To become the ultimate leading service provider for the oil and gas industry.



## 3.0 Engineering Solution Approach

Fargo Pipeline understands that each pipeline operation has its own unique challenges, which require specialized engineering solutions to ensure optimum service delivery.

Our specialized multidisciplinary team approaches each challenge by:

Invoking the best engineering practices that involve collaborative approach between the client to further understanding the client's requirements.

Performing engineering assessment based on our team's extensive work experience with over 15 years of experience in the oil and gas sector, with vast experience on managing different types of issues relating to challenging requirements.

Engaging with our network of specialists to perform validation of each engineering solution with the right assessment facilities to increase the success rate of each engineering solution.

Develop detailed steps and work processes for clients to ensure a seamless execution process.

Develop engineering solutions which balances feasibility and cost-effectiveness of each approach.

Provide continuous support from planning until after completion of task execution to ensure completeness of operations.



## 3.0 Engineering Solution Approach

### Engineering & consultation Conventional pigging solutions

- Drawing extraction & Interpretation to Pipeline Questionnaire (Process, Diagrams, Schematics)
- Customized reports & procedures (Site visit, Pigging procedures, Contingency plan)
- Troubleshoot issues such as pig stuck and root cause analysis (case-specific)
- Design progressive pigging program for pipeline without pigging history
- Pipeline profiling & pre inspection cleaning
- Pig design and selection for challenging pipeline (wax, scale, short radius, multi-diameter,
- Standard & non-standard pig launching (i.e: co-mingle product, no balancing installations)
- Passive bypass pig design: Pigging feasibility study for new pipe.

### Challenging pipeline pigging solutions

- Low MAOP / Low pressure / low flow pipeline
- Launching & Receiving constraint: single-entry / Short pig trap
- Water handling issues
- Pigging pipeline with sands, wax & scale
- Cleaning pipeline with pitting (customize cleaning tools)
- Installations inside pipeline (reduce bore valves, unbarred tee, wyes <1.5D bend)
- Pigging pipeline with flexibles



## **Failure analysis & Investigation**

- Root cause analysis of pigging failure
- Corrective and preventive plan

## **Trainings**

- Pigging basics
- Basic pigging tool assessments (pig conditions & maintenance).
- Profile pigs data assessment & gauging tool assessment
- Pig launching & Receiving
- Basic calculations
- Pig tracking
- General introduction to Above Ground Marker and mapping

## **Pigging tool supply**

- PU's & customized tools.
- Fabrication of pigging related tools
- Services

## **Pipeline Services Consultation**

- Flushing operations
- Hydrocarbon removal
- Hydrotest
- Pigg-ability study



## 5.0 Contact Details

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