ENGINEERING CAPABILITIES

1. POWER PLANT

2. PIPELINE SYSTEM
   - Oil and Gas Pipeline system as ASME B31.8

3. GAS PLANT
   - CNG, LNG Plant, Gas Receiving Station, Gas Purification Station

3. BUILDING AND INFRASTRUCTURE
   - Road and Bridge Design
   - Water Engineering, Incl. Flood Studies
   - Building and Structure

3. OIL STORAGE AND GATHERING
   - TBBM, CPO Storage System, Diesel Fuel Distribution system
About Pustek E&T

Reinventing The Technologies

The Company

Pustek E&T Established at 2015, successfully perform engineering studies and various detail engineering design specially for Pipeline system, Gas—Oil Gathering Station, CNG Plant and 7 new power plant.

Service

Engineering
Training
Inspection and Assessment

Engineering Identity

Focus on Utilize Standard & Code, Technology selection.

Corporate Value

Passion, Technology, Engineering, Creativity, Cost Effective

Every Client is Important, PT. Pustek E&T
Prepare dedicated personnel for every project, although is small project.

Jl. K.H.M Yusuf Raya III no 1
Kel. Mekarjaya Kec. Sukmajaya Depok – Jawabarat
kontak@pustek.com, https://pustek.com
CORE BUSSINESS

TRAINING

ENGINEERING TRAINING
- Piping System, ASME B31.3, basic piping system, intermediate piping engineer
- Piping Drafting: Equipment layout, Piping Layout, Piping plot plant, isometric, MTO for construction.
- Pipeline System ASME B31.8
- Gas and Oil Handling System
- Mechanical Equipment in Oil and Gas Industry
- Pressure Vessel Design & Component
- Vibration Analysis
- Structural Design and Inspection
- Oil and Gas Metering System
- Power Plant design
- Power Plant Operation and Maintenance

ASESSMENT & INSPECTION

ATMOSPERIC TANK
Inspection as API 510, corrosion rate and remaining life calculation, ovality, elephant footage, Seismic tank Assessment

PIPING AND PIPELINE
Mechanical and remaining life assessment for piping and pipeline system, buckling system, stress analysis

ROTATING INSPECTION
Rotating equipment data analytics for maintenance propose
CORE BUSINESS

ENGINEERING

FEASIBILITY STUDY
- Desktop Study, Industrial, Power Plant, Technology and Investment Analysis.

FEED
- Process design step to MTO of each discipline, proposed for bidding, with cost analysis

DED
- Detail design for construction propose, MTO for actual procurement, construction

SPECIAL STUDIES
- 3D Modeling, Finite Element (FEA), Computational Fluid Dynamic (CFD), Discrete Element Model (DEM), Flood Study, Metrological and Geophysics Study.

SURVEY

TOPOGRAPHY SURVEY
- Utilize advanced tools Real Time Kinematics, Total Station, with 3D view of Maps

GEOLOGICAL SURVEY
- Performing Georadar survey, for underground cable, pipe, pipeline position, Manual site excavation,

BATYMETRY SURVEY
- Single beam sensor, maximum depth 70 m, combined with GPS signaling.
FINITE ELEMENT ANALYSIS
- Special Structural Analysis
- Static Analysis
- Dynamic Respond Analysis
- Motion Analysis

Flood Analysis & Metocean Study
- Weather Station Rainfall Modeling
- Flood Modeling

COMPUTATIONAL FLUID DYNAMIC
- Static Fluid Mixer
- Particle Fluid Movement
- Pump and Compressor
- Scrubber and Separation of Fluid
SPESIFIC ENGINEERING SERVICE

METOCEAN STUDY

• Satellite Data Observation (BMKG & Meteoblue).
• Insite Measurement for ACDP, Single Beam Echosounder, tide measurement, data Acquisition for Metrological.
• Metrology Station data observation and Analysis.

PIPING & PIPELINE SURGE ANALYSIS

• Piping Surge Analysis for Fire Water using AFT Impulse.
• Pipeline Surge Analysis Using OLGA
REVENUE

ENGINEERING DESIGN
50% from DED, 30% from FEED, 10% from FS, 10% from special studies

SURVEY
Topography Survey, GPR, Site Excavation

TRAINING
Power Plant Training, Oil and Gas Training

INSPECTION & ASSESSMENT
Piping, Fire Water Inspection, Pressure Vessel Inspection

55%
Software and Tools
SELECTED ENGINEERING EXPERIENCES

DED CNG Peaker for PLN Bangkanai 110MW PLN-E, Timas Suplindo

Jarlis Project, DED for PLTD stanby power (11x3MW) X2 in SOETA

DED of 6 MW, PLTmG fuel CNG and LNG, PT. Catur Elang

DED of 110 MW, 5xPLTMG Power, PT. WIKA-PT. WRK

Duri Dumai, Detail Engineering Design for Pipeline System 67 Km, 24”, PT. PDC

Desktop Study for Offshore Pipeline in Delta Mekong, Vietnam

2 Years On Call Engineering Service Petrochina

DED Seamless Tube Construction, Cilegon.PT Artas

FEED of Pipeline and Receiving station, PT. Energasiindo
SELECTED ENGINEERING EXPERIENCES

- Pipeline Petrokimia Gresik 3.4 km, 16 inch
- Piping Gas System in ORF Pondok Tengah, Pertagas
- Repair Tubing Condenser, PLTU Ropa, NTB, PT. PLN
- Repair Vessel KO Drum PT.EHK di Jambi
- Supply Heat Exchanger Di BPPT, Serpong
- Fire Water System 4 Km, Pabrik Gula Bombana, PT. Barata Indonesia