TEKNIK KARYA INDUSTRI (TKI) is an Indonesia-based Engineering, Procurement and Construction (EPC) company which applies for Oil & Gas, Petrochemical, Chemical, Mineral, Energy and other related Industries. Our personnel, strategy and policy to offer our valuable Clients the expertise required to ensure the success of their Projects. We provide efficient service, the most competitive cost, reliable schedule and high quality standard. We develop a reliable team which gives the best performance and services based on mutual beneficial principle.

PRODUCT & SERVICES

We are capable of handling Design Engineering work, Procurement scope and Construction. We provide an engineering team for Process, Civil, Piping, Mechanical, Electrical and Instrument. Our approach to Project Management includes a concise work, task definition and assignment, planning, scheduling, monitoring and cost controlling.

Being qualified in all these areas of the Project cycle, we are capable of providing our valuable Clients with the best practices in Engineering, Project Management, Procurement, Construction and Commissioning.

- **PROJECT MANAGEMENT SERVICES**
  - Project Execution Plan
  - Project Definition - General Information
  - Master Schedule
  - S-Curve Progress Plan
  - Project Coordination Procedure
  - Communication Procedure
  - Document Numbering Procedure
  - Equipment and Piping Numbering Procedure
  - Review and Approval Procedure
  - Project Quality Procedure
  - Master Document and Item List Index
  - Weekly and Monthly Progress Report
  - Vendor List
  - Project Schedule EPC
  - Bid Document EPC
  - Cost Estimation EPC

- **ENGINEERING SERVICES**
  - Process Engineering
    - Process Flow Diagram (PFD)
    - Piping and Instrumentation Diagram (P&ID)
    - Heat and Material Balam (HMB)
    - Process Simulation
    - Line Sizing
    - Line Index
    - Equipment List
    - Hydraulic Calculation
    - Vessel and Tank Sizing
    - Design and Rating Heat Exchanger
    - Preliminary Control Valve Calculation
    - Preliminary Safety Valve Calculation
    - Restriction Office Calculation
    - Control Description
    - Fluid Data for Instrument
    - Instrument Set Point Table
    - Tie-in Procedure
    - Process Safety Analysis
    - Pre-commissioning Procedure
    - Operation Manual Procedure
    - Source of Hazardous Material Report
    - Hazard and Operability Study (HAZOP)
    - Hazard Identification Study (HAZID)
  - Mechanical Engineering
    - Equipment Selection Study
    - General Arrangement Drawing
    - Engineering Detail Drawing
    - Mechanical Standard Drawing
    - Mechanical Building
    - Mechanical Data Sheet
    - Compressor Specification
    - Tank Specification
    - Pump Specification
    - Material Take Off (MTO)
  - Piping Engineering
    - Plot Plan Layout
    - Key Plan Drawing
    - Piping Layout
    - Underground Piping Layout
    - Isometric Drawing
    - Spool Drawing
    - Pipe Stress Analysis
    - Wall Thickness Calculation
    - Nozzle Orientation and Nozzle Loading Data
    - Civil Loading Data for Pipe-rack
    - Piping Standard Drawing
    - Support Standard Drawing
    - Piping Material Specification
    - Material Take Off (MTO)
  - Instrument Engineering
    - Instrument Layout Drawing
    - Boundary Work for Electrical, Piping & Mechanical
    - Typical Drawing
    - Standard Drawing for Instrument
    - Configuration Diagram for Control System
    - Power Supply Diagram
    - Drawing L/C for Control System
    - Instrument Nozzle Elevation
    - Loop Diagram
    - Interlock Diagram
    - Hook-up Tubing
    - Connection List / Termination Diagram
    - Instrument Calculation Sheet
    - Instrument Data Sheet
    - Material Take Off (MTO)
  - Electrical Engineering
    - Power System Study
    - One Line Diagram
    - Substation Equipment Layout
    - Hazardous Area Classification
    - Power Wiring Layout
    - Cable and Grand Schedule Power and Control
    - Cable Tray and Cable Pit Layout
    - Schematic and Connection Diagram
    - Lighting and Receptacle Wiring Layout
    - Connection Diagram & Panel Schedule of Lighting
    - Street Lighting Wiring Layout
    - Grounding Wiring Layout
    - Lighting Protection System Layout
    - Fire Alarm System Wiring Layout
    - Communication System Wiring Layout
    - Cathodic Protection Layout
    - Specification / Data Sheet for Electrical
    - Standard Drawing for Electrical
    - Material Take Off (MTO)
  - Civil Engineering
    - Control Building Structure
    - Substation Building Structure
    - Equipment Foundation (Static and Dynamic)
    - Tank Foundation Calculation and Drawing
    - Equipment Foundation Calculation & Drawing
    - Table Top Structure for Elevated Vibration
    - Steel and Concrete Pipe Rack Vibrator
    - Steel Storage Structure
    - Compressor House
    - Metering Shelter
    - Conveyor Gallery and Conveyor System
    - Equipment Structure (Concrete and Steel)
    - Underground Structure (Culvert, Basin & Pond)
    - Infrastructure for Plant (Road, Pavement, and Drainage)
    - Equipment Package Foundation
    - Shop Drawing for Steel Structure Fabrication
    - Foundation Detail for Compressor
    - Foundation Detail for Generator
    - Construction Specification for Erection
    - Material Take Off (MTO)

- **PROCUREMENT SERVICES**
- **FIELD ENGINEERING SERVICES**
- **CONSTRUCTION SERVICES**
- **COMMISSIONING**
VISION
To become the best Indonesia-based world class company in EPC.

MISION
• To provide the best Engineering and Construction with innovation, development, improvement and safe for all the Stakeholder.
• To give benefits with innovative, user friendly, customized, high quality technical value yet and efficient for Customer Satisfaction.

TECHNOLOGY
Using high technology software in order to execute the Project, software such as AutoCAD, PDMS, SP3D, ETAP (Electrical), STAAD PRO (Civil), CAESAR II (Piping), INTOOLS (Instrument), I TANK (Mechanical), HYSYS (Process).

VALUES OF PT TEKNIK KARYA INDUSTRI
Think Ahead (Berfikir ke Depan)
Energy Positive (Energi Positif)
Knowing the Formula (Mengetahui Rumusan)
New Creations (Karya-Karya Baru)
Intelligence Service (Melayani dengan Cerdas)
Keep the Trust (Mengjaga Kepercayaan)

Know be Grateful (Tahu Bersyukur)
Able to be Creative (Mampu Berkreasi)
Religious (Beriman)
Young Spirit (Semangat Muda)
Applying the Honesty (Menerapkan Kejujuran)

Innovative (Inovatif)
No for Corruption (Tidak Korupsi)
Develop the Solid Team (Membangun Team yang Kompak)
Using Sincere (Menggunakan Ketulusan)
Smart the Work (Bekerja Cerdas)
The Best (Menjadi yang Terbaik)
Realize the Desire (Mewujudkan Impian)
International Standard (Menggunakan Standar Internasional)

TRAINING
Karya Engineering Training (KET) Training and Courses are developed by PT Teknik Karya Industri. KET conducts the Training and Courses for Engineering Design as Calculation, Analysis Study, Specification Design, Data Sheet and Drawing for Process, Mechanical, Piping, Instrument, Electrical and Civil. Trainess be divided 3 levels as Drafter, Designer and Engineer, they will be given internship opportunities at PT Teknik Karya Industri appropriate with on going project or a previous project with using the Software Program. This matter aims to help the Trainess in order to ready the work.
SUPPLY CHAIN

Our Procurement team can offer a full range of supply chain activities allowing us to provide costum-made solutions to suit all Project and Business needs. PT Teknik Karya Industri (TKI) provide services for the supply of Equipment and Materials Project for Mechanical, Pipe & Valve, Civil, Electrical and Instrument.

**MECHANICAL**

**Mechanical (Rotating)**
- Motor Driven Centrifugal & High Pressure Reciprocating Gas Compressor
- API 672 Oil Free Centrifugal
- Air Compressor
- Industrial Gas Turbine
- Screw Air Compressor
- API 610 Centrifugal Pump
- Air Driven Diaphragm Pump - Husky Ranges
- Hydra-Clean Pressure Washer
- Hose Pump
- API 674 Reciprocating Pump
- API 676 Screw Pump
- Air Compressor
- Filter
- Pumps (Portable Water / Hot Water Circulation)
- Pumps (Sulfur Transfer)
- Pumps (Chemical Transfer)
- Gas Engine
- Diesel Engine
- HVAC System
- Mechanical Seal

**Mechanical (Package)**
- Dehydration Unit (DHU) Package
- Water Treatment Plant (WTP) Package
- Flare Package
- API Pump Package
- Fire Water Pump Package

**Mechanical (Static)**
- Lube / Hydraulic Oil Filtration, Varnish Remover, Active Breather, Gas Filtration
- HRT - Produced Water Management
- PolarSep - Extractive Separations
- LiquiSep - Gas / Liquid Separations
- ProcessSep - Solid / Liquid Separations
- HiSep - Gas / Liquid Separations
- Sewage Treatment Plant, Hall-Fuel Refueling System, Jet Fuel Filtration System
- Bilge Water Separator
- Desalination, Lean Amine Filter
- Metal & Non-Metallic Expansion Joint
- Exhaust Stack & Silencer
- Manual and Automatic Strainer
- Hitachi Hose Reel
- Gasket (Metal, Sprint Wound, CAF, CNAF, Insulating Gasket & Ring Type Joint)
- Level Gauge / Glass / Cocks
- Slight Glass / Slight Flow Indicator
- Constant & Variable Pipe Support / Spring Hanger
- CorrIn isolation Products
- Dynamic Restraints or Snubbers
- Cyrogenic Pipe Supports
- Hitachi Aqua-Tech Reverse Osmosis Water Maker
- Steam Trap, Manifold, Thermo compressor
- Pump, Strainer, Separator
- Diffusers, Desuperheater
- Safety Relief Valve (Balanced Bellow)
- Boiler Access System & Instant Scaffold
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<th>CLIENT/OWNER</th>
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Profile

Company Name: PT TEKNIK KARYA INDUSTRI
Notary Company ACT: No.3 – Depok, March 13th 2013
                    Like Siti Wulandari, SH.
Tax Number (NPWP): 03.294.829.1-404.000
Notification of Registration (SKT): PEM-05505/JP.22/KP.1003/2013
Domicile License (SKDU): No.510/03/Ekbang
Taxable Enterprise Confirmation: PEM-05942/JP.22/KP.1003/2013
Letter (SPPKP): AHU-37422.AH.01.01.Tahun 2013
Notary Act Register to Minister of Justice (SK Menhum & HAM): 517/44/PM/B/BNPTPM/III/2014
Letter of Business Permit (SIUP): 10.04.1.71.00069
Company Registration (TDP): Bank Negara Indonesia (BNI) Syariah
Banking Company: BNIS (IDR) No Rek. 0427580826
                   BNIS (USD) No Rek. 0427580882
Website: www.teknikkaryaindustri.com
Email: info@teknikkaryaindustri.com

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