

PT. TAJI ENGINEERING UTAMA

ENGINEERING SERVICES PROFILE



*PROFESIONAL
ENGINEERING
SERVICE*

PT TAJI ENGINEERING UTAMA



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PROFILE

PT. TAJI ENGINEERING UTAMA (TEU) is an Indonesian registered company which is owned and managed by a local team of dedicated professionals who represent a variety of differing fields of expertise within the construction industry.

TEU has been established and staffed to operate the following four main Service units for within Indonesia:

- Design & Engineering
- Project Management
- Construction Management
- Consultancy

TEU are able to provide Clients with services applicable to all stages of a construction project starting from its initial conception through design and construction up to its ultimate completion. TEU has three Divisions:

- Oil, Gas & Petrochemical [OGP]
- Building, Infrastructure & Property [BIP]
- General Industry & Power Plant [GIPP]

Kunto Nugroho

With Mechanical Engineering Background. He has 30 years experience in the Energy sector, Started in 1983 as a service engineer at Flopetrol Schlumberger who worked in several oil and gas fields, then as a sales engineer at several oil and gas industry supporters until marketing position and last for 9 years in Multinational company with the last position as Director of Engineering at PT Technip Indonesia. Kunto Nugroho is a Chairman of BKKA in Inkindo (National association of Indonesian Consultants), and also as Committee, and Chairman of the Energy Industry Relations Consultation in Guspen Migas.

OUR GROUP

PT ARCHIPELAGO OFFSHORE ENGINEERING (AOE)



Archipelago Offshore Engineering (AOE) is a privately owned engineering consulting company specializing in deepwater technology solutions of surface & subsurface facilities for the oil & gas exploration and production

AOE's Core of Expertise:

- Naval Architecture.
- Hydrodynamics Analysis.
- Structural Engineering.
- Mooring Design and Analysis and Installation Support.
- Tendon Systems Engineering.
- Offshore Pipelines & Riser Engineering and Installation engineering.
- Project Management.

Since March 2017, PT Taji Engineering Utama and PT Archipelago Offshore Engineering establish Joint operation. Became an Integrated Engineering Solution mainly for oil and gas sector

PT HAMON INDONESIA



PT HAMON INDONESIA is part of HAMON Group, an international organization specialized in the design and manufacturing of thermal systems and heat transfer equipment and thus obtained access to the international market. Today, PT HAMON INDONESIA is able to offer not only appropriate solutions to heat transfer problems but also an advanced technology.

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As part of Group, PT Taji Engineering Utama support Engineering Scope for PT Hamon Indonesia in Power Plant project.

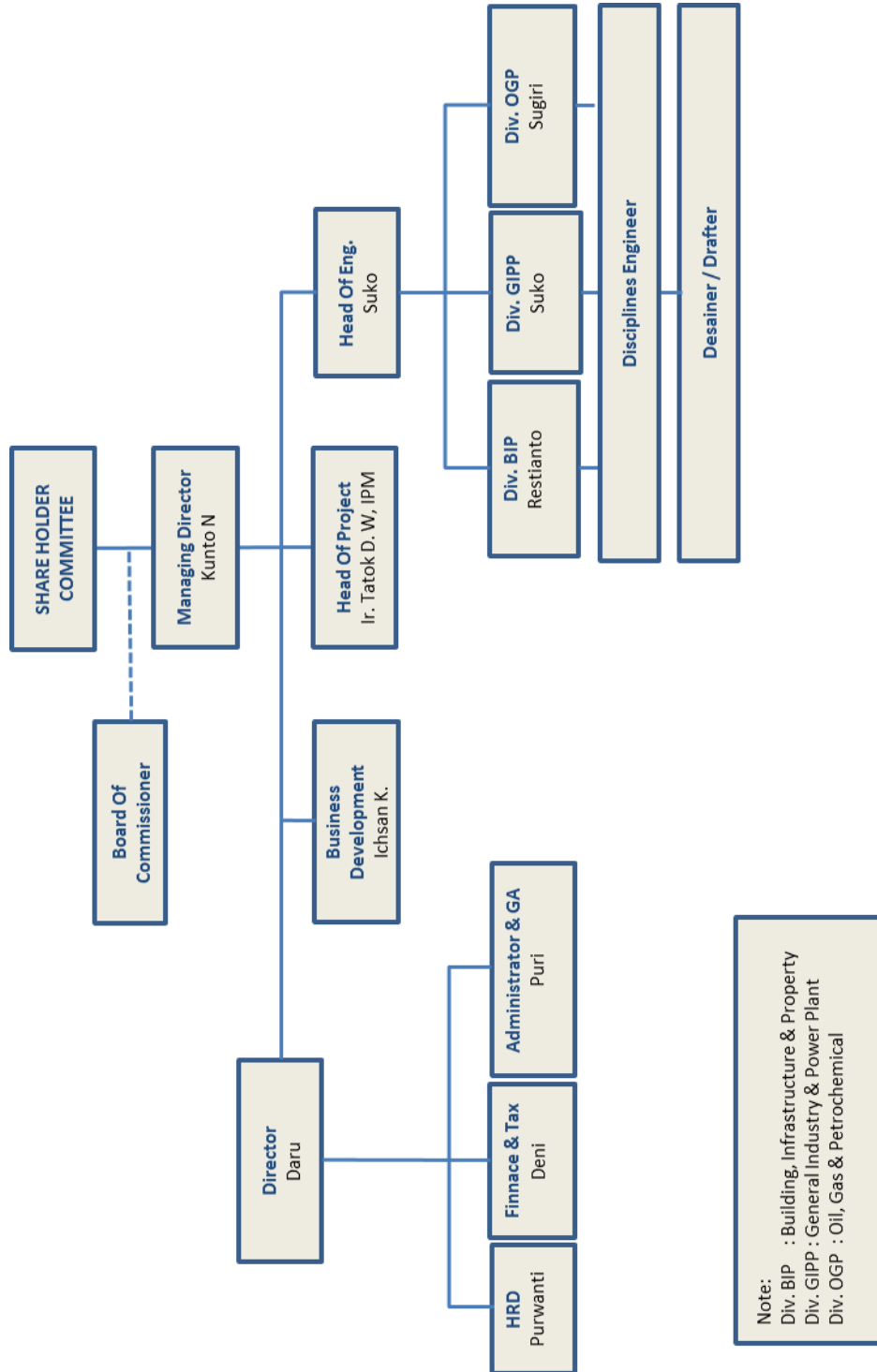
PT INTI COMPOSITE FIGLASINDO UTAMA (ICFU)



ICFU is company who can do Design, Engineering, Construction and Manufacturing of Fiberglass products – such as Fiberglass Industrial Component, Waterpark, FRP pipes, Cooling Tower Part & Structure, Chemical Tank, Pultrusion Structure Profile, Cable Tray - Cable Ladder, Grating, Railing, Walkway, and Other Costumize Product.

As part of Group, PT Taji Engineering Utama also support Engineering Scope for PT Inti Composite Figlasindo Utama in water park project.

ORGANIZATION CHART



MARKETS

OIL, GAS & PETROCHEMICAL

- Deep Water & Shallow Water
- Onshore & Offshore Facilities
- Petrochemical

BUILDING, INFRASTRUCTURE & PROPERTY

- Airport
- Apartement
- Bridges
- Building
- Jetty
- Offices
- Port & Terminals
- Theme Park
- Water Park

GENERAL INDUSTRY & POWER PLANT

- General Industries
- Geothermal
- Mining
- Offshore Energy
- Power Plant
- Renewable Energy

SERVICES

Provided by PT Taji Engineering Utama & PT Archipelago Offshore Engineering

1. FRONT END ENGINEERING DESIGN / DETAILED ENGINEERING DESIGN

- Seawater intake, Breakwater, & Shore protection.
- Electrochlorination, & Belt conveyor
- Water treatment plant, Coal handling system, & Ash handling system
- Office building, Steam turbine generator building, & Junction tower
- Pump house, Boiler & machine fondation, & Hydrogen plant house
- Safety Study, & Fire fighting system

2. PROCESS AND STRUCTURE TECHNICAL AND ENGINEERING

- Various Process Studies
- Process & Structure Concept Development
- Technology Evaluation, Selection dan Development
- EPC Engineering Support
- Concept to Commissioning Process Advisory and PMC
- Process Safety Studies, HAZOP, HAZID, QRA, SIL and LOPA Studies
- Realibility, Availability and Maintability (RAM) Studies

3. TECHNOLOGY DEVELOPMENT SUPPORT (WITH PERFORMANCE GUARANTEES)

- Fire Heater, Waste Heat Recovery Units, Economizer
- Heat Exchanger: Shell and Tube, Air Cooler, Trombone Coolers, Heating Coils
- Steam Generators, Steam Balance, Integrated Design with User

4. OPERATIONS ASSURANCE & COMMISSIONING

- Objective Technical Design Review
- Operation Risk Review
- Process Contol System Review
- PDMS Review

5. PROJECT MANAGEMENT (PMC) FOR FEED, DETAILED ENGINEERING & EPC

- ITB Preparation Support
- Scheduling and PCM Crasing
- Project Risk Analysis
- Project Cash Flow Planning
- Project Monitoring and Controls Support

CAPABILITIES & EXPERTISE

A. POWER PLANTS SECTOR

A.1. as Taji Engineering Utama

Year	End User	Location	Subject
2018	PLTMG Nunukan II	Nunukan	Detailed Engineering Design
2018	PLTMG Serui	Serui, Papua	Detailed Engineering Design
2018	PLTMG Alor	Alor, NTT	Detailed Engineering Design
2018	PLTMG Waingapu	Waingapu, NTT	Detailed Engineering Design
2018	PLTMG Dobo	Dobo, Maluku	Detailed Engineering Design
2018	PLTMG Namlea	Namlea, Maluku	Detailed Engineering Design
2018	PLTMG Saumlaki	Saumlaki, Maluku	Detailed Engineering Design
2016	Rekayasa Teknik Perkasa	Cidurian, Jabar	Feasibility Study & Detail Engineering Design

A.2. as part of PT Hamon Indonesia

TAJI ENGINEERING UTAMA IS A SISTER COMPANY OF HAMON INDONESIA GROUP. PRIOR TO 2015, TEU WAS AN ENGINEERING PART OF PT HAMON INDONESIA

	Final client	PT Petrokimia Gresik
	Client	PT Adhi Karya
	Contract awarded in	2016
	Plant location	Gresik - Indonesia
	Plant type	Fertilizer
	Type of tower	IDCT counter flow
	Type of water	Fresh water

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Final client	PT Pertamina Geothermal
Client	PT Rekayasa Industri
Contract awarded in	2014
Plant location	Kamojang - Indonesia
Plant type	Geothermal Power Plant
Type of tower	IDCT counter flow
Type of water	geothermal water

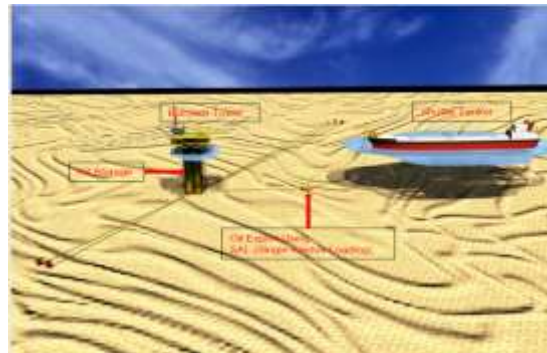
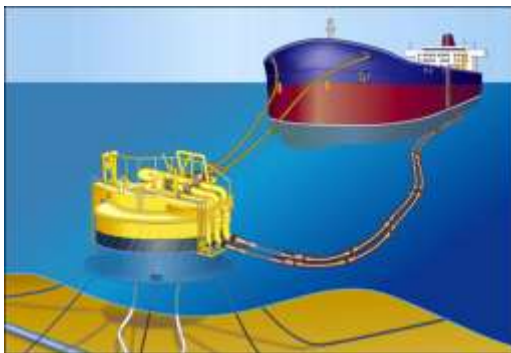
List of experiences in Power Plants (as part of Hamon Indonesia)

Year	End User	Location	Subject
2014	Cepa Sengkang	Sulawesi Selatan	Replacemen Filler and structure repair
2014	Cikarang Listrindo, PT	Cikarang	Gearbox replacement
2014	Nestle Kejayan	Pasuruan	Fanblade replacement
2014	Laju Perdana Indah (Indoagri)	Sumatera Selatan	Filler and drif eliminator replacement
2014	Star Energy Geothermal,PT	Jabar	Structure Repair
2014	Polychem	Cilegon	Replacement Filler
2014	Sentra Usahatama Jaya	Cilegon	Maintenance Cooling Tower
2015	Cikarang Listrindo, PT	Cikarang	Gearbox replacement
2015	Sweet Indolampung	Lampung	Cooling Tower Revamping
2015	PLTU Bukit Asam	Sumsel	Fan replacement & Drif Eliminator
2015	PLTP Dieng Geothermal	Jateng	Drift Eliminator & Mech.Equip. Replacement
2016	Cikarang Listrindo, PT	Cikarang	Baseplate Repair
2016	Pertamina Geothermal Energy	Jabar	Concrete repair
2016	Tanjung Enim Lestari, PT	Sumsel	Repacking and Structure repair
2016	Tanjung Enim Lestari, PT	Sumsel	Structure replacement & Filler Replacement
2016	Cikarang Listrindo, PT	Cikarang	Structure replacement
2016	PLTU Bukit Asam	Sumsel	Internal part replacement
2016	PLTU Bukit Asam	Sumsel	Internal part replacement

B. OIL & GAS SECTOR (J.O. TEU-AOE)



FPSO Modification



SPM and Buoyant Tower Design



Fuel Storage Tank Project

C. BUILDING & PROPERTY SECTOR



Office Project



Building Project

List of experiences in Building & Property

Year	End User	Location	Subject
2017	Sea World Ancol	Ancol, Jakarta	Design Renovation of Fire Water and Fire alarm System
2017	Dufan Taman Impian Jaya Ancol	Ancol, Jakarta	DED of Merchandising Store
2017	Dufan Taman Impian Jaya Ancol	Ancol, Jakarta	Schematic Design Of Merchandising Store
2017	Putri Duyung Cottage Ancol	Ancol, Jakarta	Design Renovation of Office and Restorant
2017	Cowell Oasis Apartement	Cikarang, Jabar	Value Engineering
2015	Hamon Indonesia	BSD, Banten	Project Management - Warehouse 850 m2 & Office 1300 m2
2015	Inti Composite Figlasindo Utama	Cikarang, Jabar	Project Management - Warehouse 2700 m2 & Office 630 m2



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2018



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