



PT. PETRO SYNERGY MANUFACTURING

WELLHEAD AND TREE MANUFACTURER

BACKGROUND

Established with a clear vision to strengthen domestic capabilities in the design and manufacturing of Wellhead and Tree, **PT Petro Synergy Manufacturing** respond to the growing demand for high-quality, reliable, and locally manufactured oilfield equipment to support the oil & gas and geothermal industries.

With a strong engineering base, we integrates design, material selection, manufacturing, assembly, and testing processes under a controlled and quality-oriented environment.

We strive to become a trusted partner in supporting sustainable energy development by supplying reliable equipment tailored to market needs in both oil & gas and geothermal industries.



VISION and MISSION

Vision

To be the most trusted provider of solutions, delivering innovation, safety, and reliability to support oil and gas business.

Mission

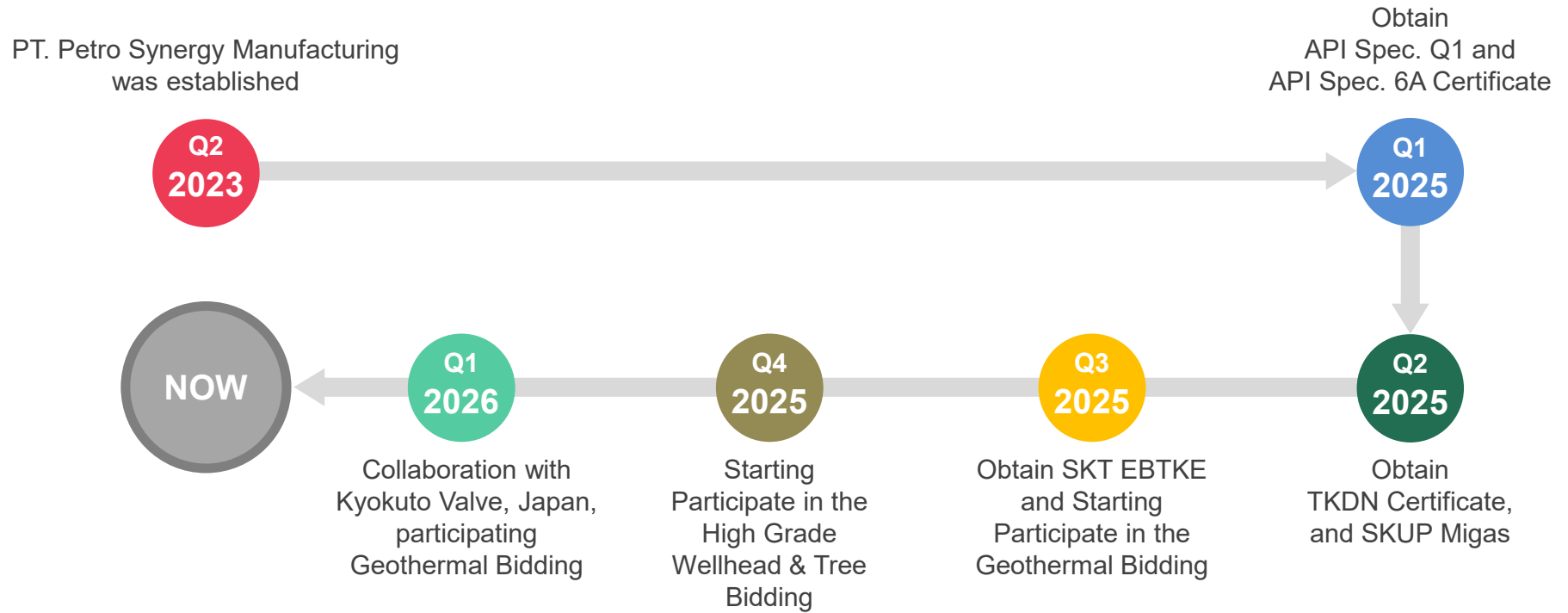
Design, manufacture, and deliver high-quality product that meet the rigorous demands of the oil and gas industry. Strive to exceed customer expectations through engineering excellence, operational integrity, and a relentless commitment to safety and performance.

COREVALUE

- ✓ **Integrity** – Upholding the highest standards of quality and honesty in all our operations.
- ✓ **Reliability** – Delivering durable, high-performance solutions that you can trust.
- ✓ **Innovation** – Continuous improvement and technological advancements to meet evolving industry needs.



MILESTONE



PT. Petro Synergy Manufacturing is a factory in Indonesia that specializes in the manufacture of Wellhead and Tree to serve the Oil & Gas Industry, both domestic and international (export).
This is our journey.

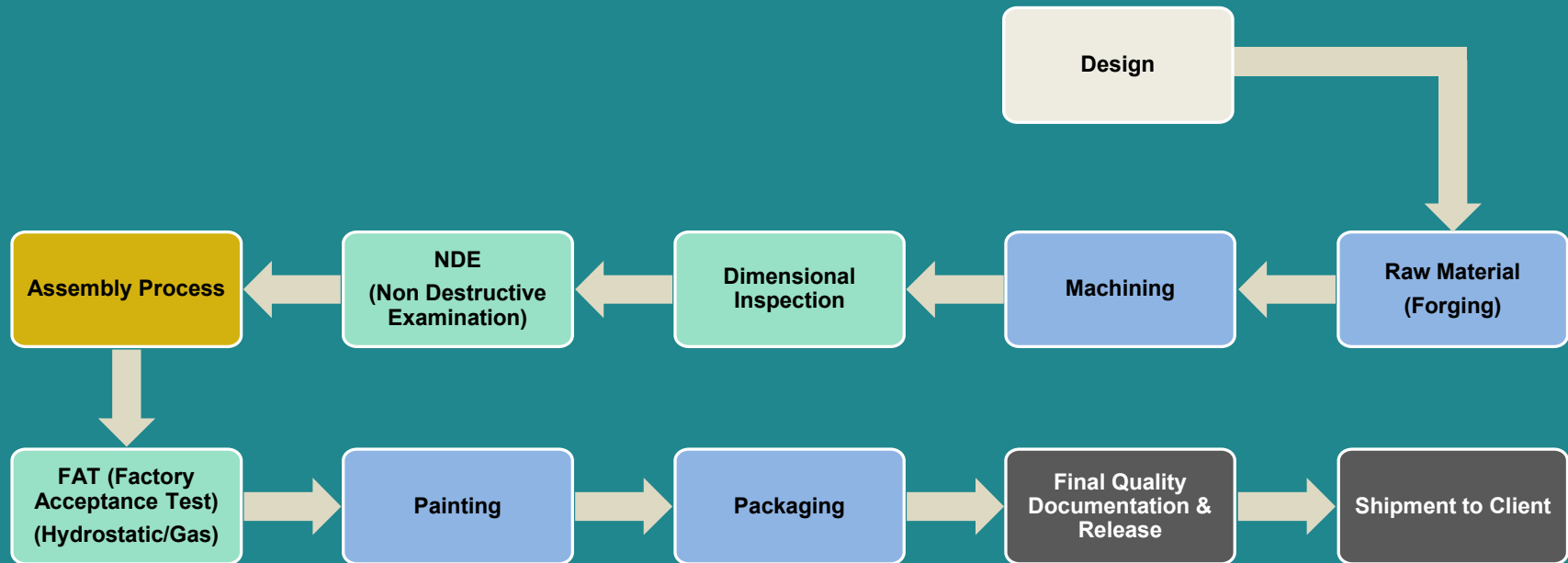


The manufacturing process begins with receiving and inspecting raw material forging according to the intended use. The machining process is supported by the use of **CNC and manual machines** and is carried out by the quality plan in accordance with product standard specification and customer requirement. Inspections are carried out after the machining process including dimensional checks and NDE. The facility has **measuring and gauging tools** according to API standards. For testing, we have **a hydro test room** and a **test pool for gas tests** that use good test equipment and are equipped with surveillance using CCTV. Supported by **experience human resources** in the engineering, production and solution provider.

GENERAL

FLOW PROCESS

Manufacturing
Flow Process



ENGINEERING

FACILITY



Expertise design engineering team delivers innovative, efficient, high-quality engineering solutions through a comprehensive set of capabilities supported by CAD Design, 3D Modeling & FEA



PRODUCTION – MACHINE & TOOLS

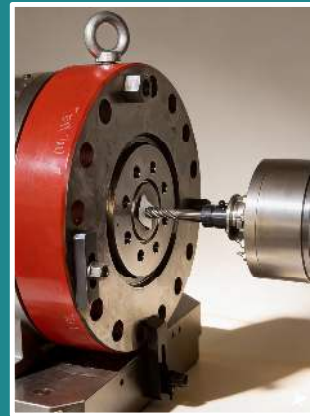
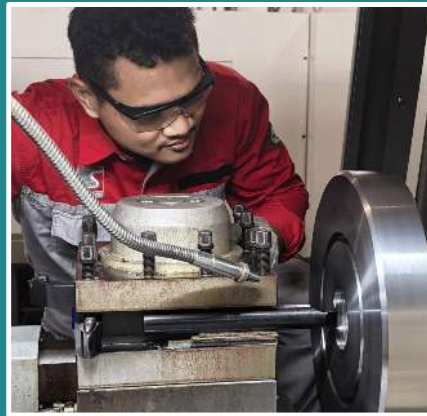
FACILITY



Our manufacturing capabilities support efficient, high-quality, and scalable production across a range of industries. Equipped with modern CNC machines and precision tools for high-volume and custom manufacturing

PRODUCTION – MACHINING & OPERATOR

FACILITY



Our machining are carried out by competent and experienced operators who possess in-depth expertise in both machining processes and the specific products being manufactured.

Their comprehensive understanding of material characteristics, technical drawings, dimensional & tolerances, and industry requirements ensures accuracy, consistency, and reliability in every component produced.

QUALITY

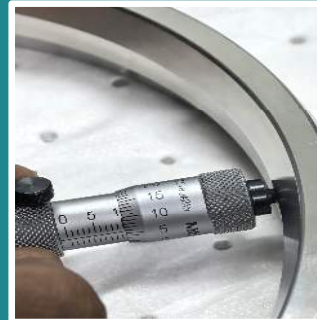
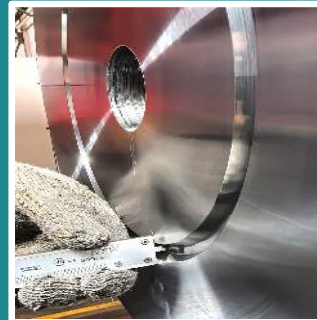
FACILITY



Inspection and gauging capabilities ensure precision, safety, and regulatory compliance for wellhead requirement. All Testing, Measuring, Monitoring, and Detection Equipment are identified, maintain and calibrated

QUALITY

We recognize that dimensional accuracy and measurement integrity are critical to product performance, safety, and reliability. All dimensional inspections are performed using calibrated instruments and carried out by qualified and experienced QC personnel



FACILITY



PRODUCTION – FACTORY ACCEPTANCE TEST (FAT)

FACILITY



We offer comprehensive wellhead hydro and gas testing as a FAT (Factory Acceptance Test).

PRODUCTION – FACTORY ACCEPTANCE TEST (FAT)

FACILITY



Our FAT facilities is supported by advanced digital pressure monitoring instruments, including high-accuracy pressure transducers. All test parameters are continuously monitored and recorded, generating real-time graphical data that can be directly printed as official test reports.

MAIN PRODUCT

PRODUCT TYPE:
WELLHEAD ASSEMBLY

STANDARD :
API SPECIFICATION 6A

PRODUCT DETAILS :

- Casing/Tubing Head & Spool
- Gate Valve
- Casing Hanger & Tubing Hanger
- Flanges and Adapter, etc.

SIZE RANGE :
7-1/16" – 21-1/4"

WORKING PRESSURE :
2.000 – 15.000 psi

MATERIAL CLASS :
AA, BB, CC, DD, EE, FF

PRODUCT SPEC. LEVEL :
PSL-1, PSL-2, PSL-3, PSL-3G

TEMPERATURE RATING :
K, L, N, P, S, T, U, V, X, Y



PRODUCT TYPE:
TREE ASSEMBLY

STANDARD :
API SPECIFICATION 6A

PRODUCT DETAILS:

- Gate Valve
- Tee and Cross
- Positive/Adjustable Choke, etc.

SIZE RANGE :
2-1/16" – 3-1/16"

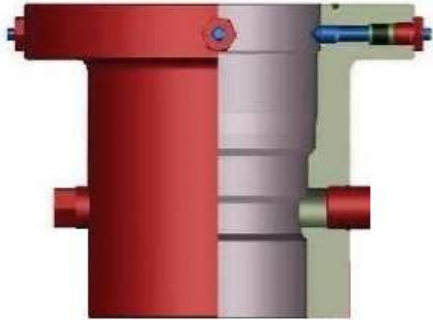
WORKING PRESSURE :
2.000 – 15.000 psi

MATERIAL CLASS :
AA, BB, CC, DD, EE, FF

PRODUCT SPEC. LEVEL :
PSL-1, PSL-2, PSL-3, PSL-3G

TEMPERATURE RATING :
K, L, N, P, S, T, U, V, X, Y

PRODUCT (NOT LIMITED TO)



CASING HEAD
UP TO 21-1/4" 15K PSI



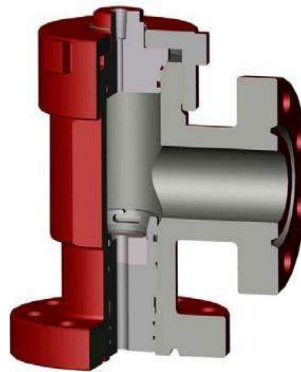
SLIP HANGER
UP TO 20" X 13-3/8"



ADAPTER
UP TO 21-1/4" 15K PSI



MANDREL HANGER
11" X 3-1/2" TUBING THREAD



POSITIVE CHOKE
UP TO 3-1/16" 15K PSI



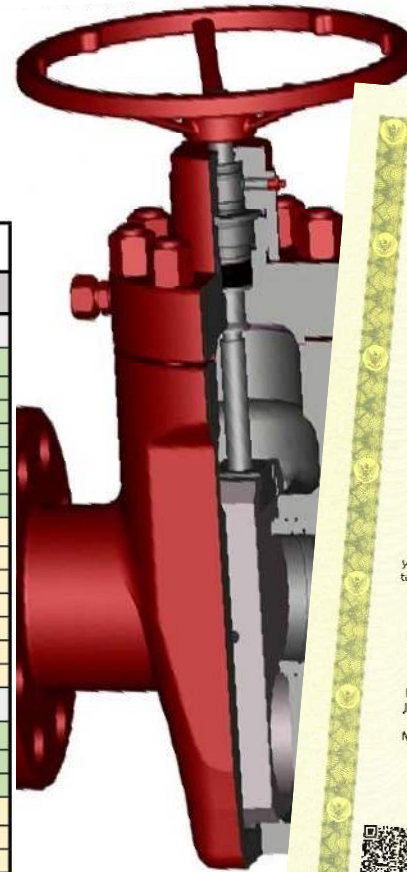
GATE VALVE
UP TO 3-1/16" 15K PSI

CERTIFICATION

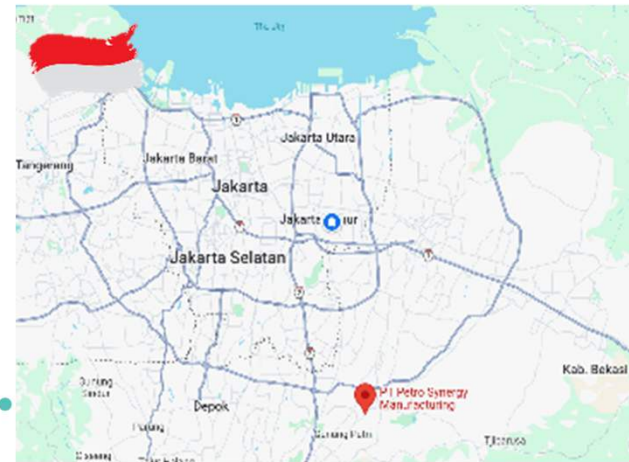


LOCAL CONTENT

DAFTAR SERTIFIKAT TKDN - PT PETRO SYNERGY MANUFACTURING	
DESKRIPSI PRODUK	TKDN
KOMPONEN - Wellhead & Tree; PSL-1 up to PSL-3G; Temperature Rating : K, L, N, P, S, T, U, V, X, Y	
Material Class : AA,BB,DD,EE	
a. Casing/Tubing Head & Spool, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	29,22%
b. Casing & Tubing Hanger, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	25,32%
c. Flange & Adapter, Rentang : 2-1/16" + 13-5/8", Tekanan Kerja : 2K - 15K Psi	26,94%
d. Gate Valves, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	25,20%
e. Choke Valves, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	34,64%
f. Tee & Crosses, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	29,02%
Material Class : CC & FF	
a. Casing/Tubing Head & Spool, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	26,19%
b. Casing & Tubing Hanger, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	28,45%
c. Flange & Adapter, Rentang : 2-1/16" + 13-5/8", Tekanan Kerja : 2K - 15K Psi	29,22%
d. Gate Valves, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	25,97%
e. Choke Valves, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	32,55%
f. Tee & Crosses, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	27,78%
ASSEMBLY - Wellhead & Tree; PSL : PSL-1 up to PSL-3G; Temperature Rating : K, L, N, P, S, T, U, V, X, Y	
Material Class : AA,BB,DD,EE	
a. Wellhead Assembly, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	27,76%
b. Tree Assembly, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	27,25%
Material Class : CC & FF	
a. Wellhead Assembly, Rentang : 7-1/16" + 21-1/4", Tekanan Kerja : 2K - 15K Psi	27,88%
b. Tree Assembly, Rentang : 2-1/16" + 3-1/16", Tekanan Kerja : 2K - 15K Psi	27,96%



LOCATION



PT. Petro Synergy Manufacturing

 **Office** : Jl. Prof. Dr. Soepomo SH. No.48, Tebet, South Jakarta 12870, Indonesia.
Factory : Jl. Raya Cikuda No.458, Wanaherang, Gunung Putri, Bogor 16965, Indonesia.

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Factory : +62 (21) 3874 4017

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THANK YOU