



TECHNOLOGY
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SOLID TEAM WORK
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ABOUT US

- ✓ PT. Waru Teknikatama was founded in August 2005 and we are specialized in heat transfer technology. We design, manufacture and supply heat transfer equipment and other process equipment which applied to various industrial sectors such as oil & gas, petro chemical, energy, and many others.
- ✓ PT. Waru Teknikatama has been supported by experienced personnel in manufacturing industry. The company's personnel consist of experienced engineers and professionals in the fields of design, fabrication, quality control, quality assurance, procurement and assembly process of heat exchanger and pressure vessel equipments.



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COMPANY VIEW



Head Office

Unimas Garden Regency

Jalan Imermotors F-18

Waru Sidoarjo 61256

Jawa Timur

Phone : +6231 8533643, 8533591, 8549184

Fax : +6231 8539169



Workshop

Jl. Raya Domas No. 23

Trowulan, Mojokerto

Jawa Timur 61362



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VISION & MISION

To be a leading designer & supplier of process equipment with technology, talent and teamwork to achieve quality above client expectation and making use of national capabilities.

VISION

MISSION

We provide process equipment specifically heat Transfer equipment and pressure vessels to accomplish highest degree of client satisfaction.



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PRODUCTS & SERVICES

Air Cooled Heat Exchangers

Forced Draught , Induced Draught, Natural Draught Type, (incl. Replace Bundle)



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PRODUCTS & SERVICES

Shell and Tube Heat Exchanger

- All TEMA type Heat Exchangers
- (incl. Replace Bundle)



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PRODUCTS & SERVICES

Pressure Vessel, Tank and Piping

- ASME Div.1 & Div.2, PD5500 Pressure Vessels
- ASME B31.3, B31.4, B31.8 Power Piping



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PRODUCTS & SERVICES

Skid Packages

- Fuel Gas Conditioning Package
- Acid Removal Package
- (incl. Process Design Unit System)



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PRODUCTS & SERVICES

Tradings

- Spare parts supplier, tube, fan, forging, instrumentation, supply PHE.





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PRODUCTS & SERVICES

Services and Maintenance

- Mechanical Cleaning of STH & ACHE incl. Thermal re-rating



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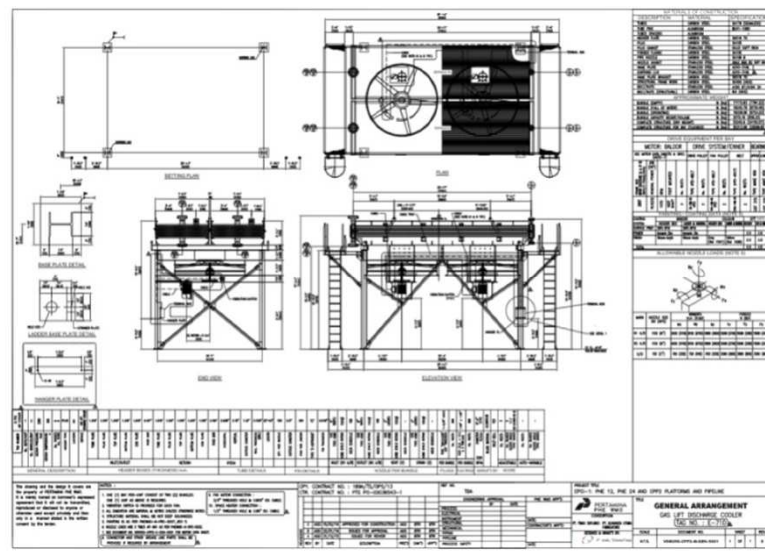
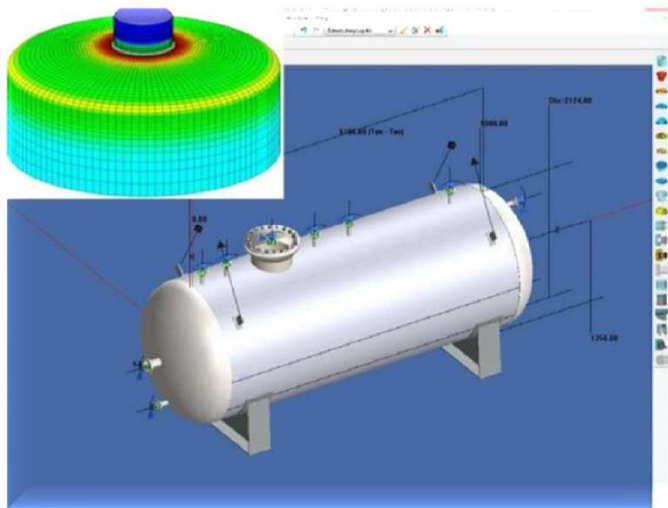


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PRODUCTS & SERVICES

Engineering Services

- Thermal Re-rating, finite element analysis, strength analysis, etc



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STANDARD QUALITY AND CERTIFICATION

- HTRI Membership since 2006
- ISO 9001:2015 Quality Management System (Certified by Lloyd Register Since 2012)
- ASME U, U2, S, R, NB-Stamp (Certified by Lloyd Register since 2013)
- OHSAS 18001:2007 ☐ On Progress



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

PT. Waru Teknikatama
Komplek Unimas Garden Regency,
Jl. Inermotors No. F-18 Waru Sidoarjo 61256
Jawa Timur - Indonesia

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

Engineering design, procurement and supply of heat exchangers, pressure vessels, allied equipments and associated components.

Approval Certificate No: JKT6006851	Original Approval: 16 November 2009
	Current Certificate: 25 November 2015
	Certificate Expiry: 14 September 2018

Issued by: *[Signature]*
 for and on behalf of Lloyd's Register Quality Assurance Limited

One Tower 1, 12th Floor, 8, Moles Valley Drive, London EC2A 4DU, United Kingdom
 For and on behalf of 1 Trinity Park, Edgbaston Lane, Birmingham, B27 7TL, United Kingdom
 The award is issued on condition that the client complies with all applicable provisions and conditions of the
 Rules of the UK Accreditation Body and the Accreditation or Approval of the Accreditation Certificate Number 018
 Lloyd's Register Quality Assurance Limited, Accreditation and Approval of the Accreditation Certificate Number 018



Cert. No. JKT 6006851



ASME - S AND U Stamp

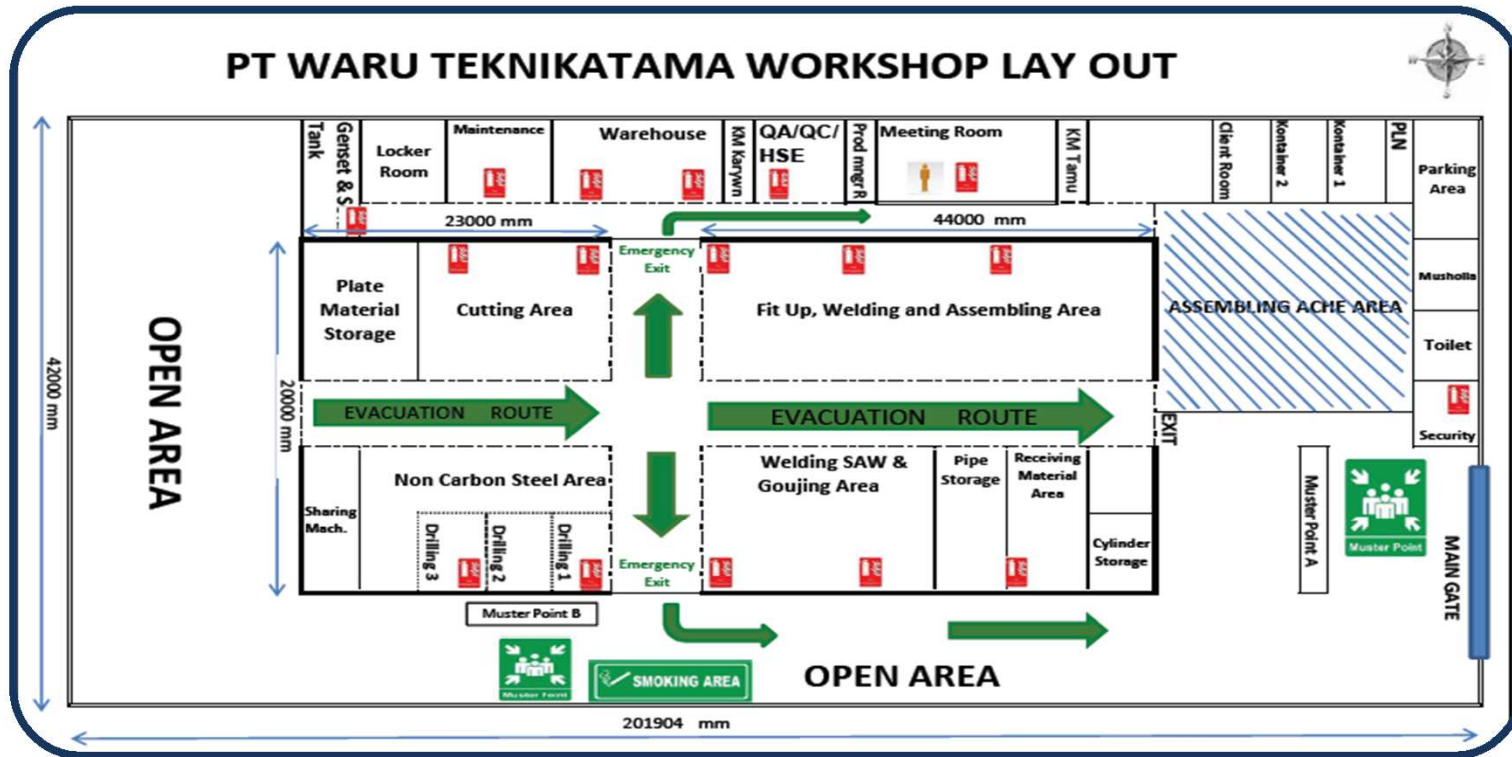


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WORKSHOP LAY OUT



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WORKSHOP FACILITY

- Covered Area : 1800 sq-m
- Open Area 6700 sq-m
- Capacity of 780 T/year



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WORKSHOP FACILITY



Internal Welding SAW



External Welding SAW



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WORKSHOP FACILITY



Forklift (3 MT)



Gantry Crane (5 MT)



Overhead Crane (10 MT)



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WORKSHOP FACILITY



Turning Roll



Rolling for Profile



Shearing Machine



Semiauto Gas Cutting



Plasma Cutting

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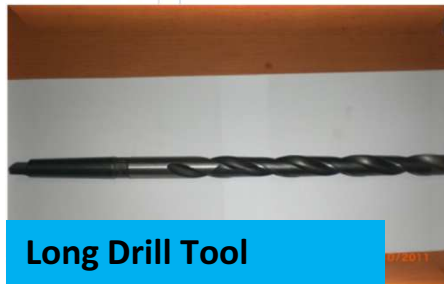
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WORKSHOP FACILITY



MC Drilling



Long Drill Tool



Step Drill



Reaming Tool



Grooving Tool



Tapping Chuck for MC



Tapping for MC

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WORKSHOP FACILITY



Hydrotest Pump Range 0 – 6000 psi



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PROJECT EXPERIENCES



Client/Owner	Petro Oxo Nusantara
Project	Revamping Plant Project
Field	Gresik
Type	Petrochemical
Equip. Delivery	2007
Design Code	ASME, API 661
TPIA	Disnaker
Material	Tube: SA240 TP304 & SA179
	Shell/Header: SA240 Gr. 304 & SA516-70
	Weight: 2,527 – 19,242 kg Size (max.): 3798 W x 9400 L
Scope	Design, Fabrication
Item	ACHE, (Forced & Induced), STHE (BEM type)
Cold side	BFW/Cooling Water
Hot Side	Process gas/Hydrocarbon
Design Temp.	170 C
Design Pressure	10.99 barG
Test Pressure	14.3 barG



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PROJECT EXPERIENCES



CLIENT / USER: MEDIA KARYA SENTOSA

Client/Owner	Media Karya Sentosa
Project	Propane Condenser ACHE
Field	Gresik
Type	Propane Condenser (HX-1) for flowrate 35000 lbr/hr
Equip. Delivery	2010
Design Code	ASME, API 661
TPIA	Ditjen Migas
Material	Tube: SA179
	Shell/Header: SA516-70
	Weight: 22,914 kg
	Size : 15.7' W x 29.2' L Forced Draft
Scope	Design, Fabrication, Construction
Item	ACHE, (Forced)
Cold side	Air
Hot Side	Hydrocarbon
Design Temp.	230 F
Design Pressure	300 psiG
Test Pressure	390 psig

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PROJECT EXPERIENCES

Tripatra, Jambi Merang,
2010



Client/Owner	Tripatra E & C/ Pertamina Talisman
Project	Jambi Merang Gas Development
Field	Sungai Kenawang, Jambi
Type	Gas Field
Equip. Delivery	2010
Design Code	ASME, API 661
TPIA	ASME U Stamp, Ditjen Migas
Material	Tube: SA179, SA213 Gr.TP304L , Shell/Header: SA516-70, SA240-304L
	Weight: 16,955 kg
	Size (max): 4963 W x 9000 L
Scope	Design, Fabrication
Item	ACHE, (Forced), 8 units
Cold side	Air
Hot Side	Hydrocarbon
Design Temp.	370 F
Design Pressure	1350 psiG
Test Pressure	1755 psig



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PROJECT EXPERIENCES



Client/Owner	JGC Indonesia / Pertamina (Persero) RU V Balikpapan	
Project	Penambahan Unit Sour Water Stripping Project	
Field	Pertamina RU V Balikpapan	
Type	SWS Plant	
Equip. Delivery	2011	
Design Code	ASME, API 661	ASME, API 661
TPIA	Ditjen Migas	Ditjen Migas
Material	SWS Pump Around Cooler (E-17-03)	Stripped Water Cooler (E-17-04)
	Tube: SA213 Gr.TP316L , Shell/Header: SA240-316L Weight: 12,290 kg	Tube: SA179, Shell/Header: SA516-70 Weight: 10,930 kg
	Size (max): 3,500 W x 9000 L	Size (max): 3,887 W x 9000 L
Scope	Design, Fabrication	Design, Fabrication
Item	ACHE (Forced)	ACHE (Forced)
Cold side	Air	Air
Hot Side	SWS Circulation Fluid	Stripped Water
Design Temp.	125 C	121 C
Design Pressure	FV/7.5 barg	FV/13.7barg



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PROJECT EXPERIENCES



Client/owner	PT Wijaya Karya (Persero) For Chevron Indonesia
Project Title	NDD-13 Duri-Riau
Scope of work	Design and Supply
Weight (kgs)	174,128
Material	Header plate : SA516GR70 Fin tubes : SA179 Structure galvanized to ASTM 123
Type	Air Cooled Heat Exchanger
Code/Standard	API 661, ASME VIII Div 1
Dimension	Forced draft, 4 bays – 2 bundles per bay Size of bay =6.1 m W x 12,49 m L



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PROJECT EXPERIENCES

Customer/ End user	PT Rekeyasa Industri for PT Pupuk Sriwidjaja
Project name	Pusri II B
Year Built	2015
Type	Shell and Tube Heat Exchanger
Scope Of Work	Design and Supply
Material	Shell and Channel : SA240-316, Seamless tube : SA213-316
Weight (kgs)	32,071
Code/STD	TEMA, ASME VIII Div 1, 2010 Ed
Size	TEMA R, BXM, size of 1705 mm ID x 7825 mm LOA



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PROJECT EXPERIENCES

Client/Owner	PT Enviromate Technology International/PT Indonesia Power	
Project	Compressed Natural Gas (CNG) Tambak Lorok Project, Semarang	
Field	Tambak Lorok, Semarang, Mid Java	
Type	Compressed Natural Gas (CNG), Power Plant	
Equip. Delivery	2013	
Design Code	ASME, TEMA	ASME, TEMA
TPIA	Ditjen Migas	Ditjen Migas
	CNG Heat Exchanger Tag No. E-200	CNG Cooler Tag No. E-100
Material	Tube: SA213-316L seamless tubes	Tube: SA179 seamless tubes
	Shell: SA516-60; SA240-316L	Shell: SA106B
	Weight: 4002 kgs	Weight: 4907 kgs
	Size of 18in OD x 5000mm T/T	Size of 18in OD x 5000mm T/T
Scope	Design, Fabrication	Design, Fabrication
Item	STHE; Horizontal, BEM Type, TEMA R	STHE; ; Horizontal, CEU Type, TEMA R
Cold side	CNG	Cooling Water
Hot Side	Hot Water	CNG
Design Temp.	-29/100 (hot side); -60/100 (cold side) degC	65 (hot side); 80 (cold side) degC
Design Pressure	5.5 (hot side); 43 (cold side) barG	263 (hot side); 7 (cold side) barG
Test Pressure	12.12 (hot side); 45.21 (cold side)	350.82 (hot side); 12.78 (cold side)



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PROJECT EXPERIENCES



PETRONAS PENAPISAN MELAKA -
MALAYSIA, 2009

Customer/ End user	OGPP Engineering SDN BHD For Petronas Penapisan (Melaka) SDN BHD
Project name	HSFO Blending Project
Year Built	2009
Type	Shell and Tube Heat Exchanger
Scope Of Work	Design and Supply
Material	Shell and Channel : SA387GR5CL1, Seamless tube : SA213T5
Weight (kgs)	7,211
Code/STD	TEMA, ASME VIII Div 1
Size	TEMA R, AES, size of 760 mm ID x 6096 mm L



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PROJECT EXPERIENCES



CKC INCORPORATED, KOREA, 2007



**CKC INCORPORATED,
KOREA, 2007**



CKC INCORPORATED, KOREA, 2007

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PROJECT EXPERIENCES

CKC INC - KOREA FOR MEDIA ENERGI, 2008



SANTOS PTY LTD, 2010



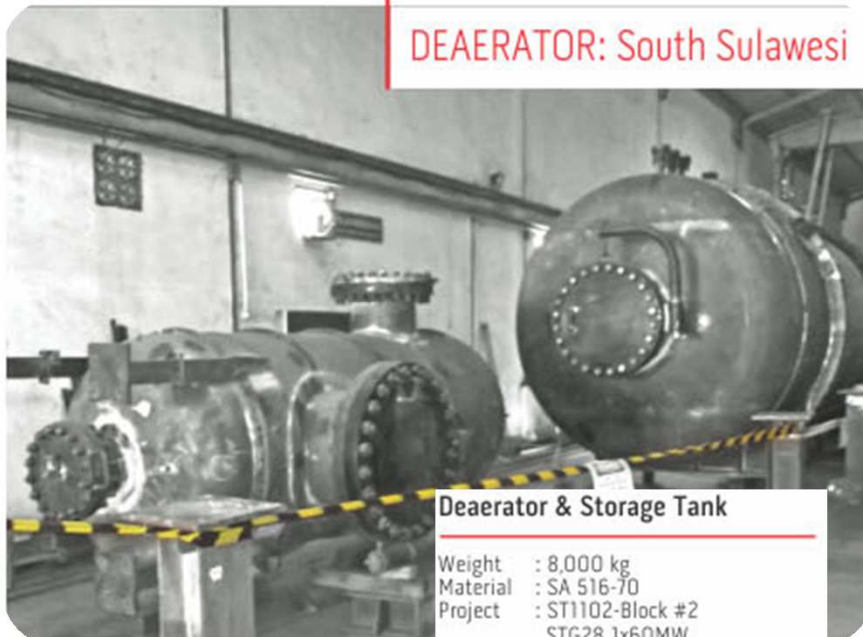
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PROJECT EXPERIENCES

DEAERATOR: South Sulawesi



Deaerator & Storage Tank

Weight : 8,000 kg
Material : SA 516-70
Project : ST1102-Block #2
STG28 1x60MW
Expansion Project (Power
Plant, South Sulawesi)
Scope : Design, Procurement,
Fabrication (ASME U-Stamp)

TMA Catchpot & Resin Trap

Weight : 8,074 kg
Material : SA516-70
Project : TMA Catchpot and Ion
Exchange Resin, Petronas
Methanol Labuan Sdn Bhd
(Petronas, Malaysia)
Scope : Design, Procurement,
Fabrication, Commissioning

PV: Petronas, Malaysia



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PROJECT EXPERIENCES

**Gas Scrubber, Air Separator,
Sump Tank, Vent Stack**

Weight : 1,200 kg
Material : SA 516-70
Project : Compressed Natural Gas
Tambak Lorok, Semarang
(Power Plant, Mid Java)
Scope : Design, Procurement,
Fabrication, Delivery



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PROJECT EXPERIENCES



**SAMATOR, BAMBE PLAN,
2010**



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PROJECT EXPERIENCES



CHEVRON GEOTHERMAL SALAK LTD. 2009

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PROJECT EXPERIENCES

PT.BARA , PIG LAUNCHER



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PROJECT EXPERIENCES

PT. WILMAR , Evaporator_XE2316 & 2317



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