

Pump & Fire Fighting - Protection System Specialist



PANDORA
PT. PANDORA SARANA TEKNIK



Company Profile



About Us

PT. Pandora Sarana Teknik was established in 2012 and has been a fast growing company focus on pump & fire fighting - protection business.

PT. Pandora Sarana Teknik put specializing in a complete Pump and Fire Fighting - Protection solution. We focus on Flood Control and high hazard fire fighting-protection and specialized risk industries such as: Government , Oil & gas plant, data centers, banking, power plants, petrochemical, and industrial plants.

To extend the services to our customer, PT. Pandora Sarana Teknik has achieved international certification:

**ISO 9001: 2015 & ISO
14001: 2015
and
ISO 45001: 2018**

VISION MISSION



Vision

"LIFE SAFETY AND PROPERTY PROTECTION"

Mission

Achieve customer satisfaction by delivering high quality products, on time schedule project, proper engineering and excellent services.



Scope of Work

02 Supply

World class product with international approval (UL Listed, FM Approved, Lloyd's Register, DNV, ABS.)

03 Installation Testing and commissioning, and services Maintenance

Experienced technician team and high standard of installation work and on-time project schedule.

01 Design and Engineering

International and National Standard Design, customized solution designed.



Systems and Products



Water Based Systems :

Hydrant & Sprinkler Systems

Water Spray Systems

Deluge Valves

Fire Fighting Equipments

Etc

FM-200 (HFC-227ea) Easy Flow System (25bar)



FM-200 (HFC-227ea) Piston Flow System (25bar)



Gas Suppression Systems :

FM200 Dupont

CO₂

Novec 1230 Dupont

Our Brands



Systems and Products



Detection & Alarm Systems :

Conventional & Intelligent Systems

Detectors, Modules

Alarm Devices

Etc



Foam Systems :

Foam Concentrates

Foam Proportioner, Bladder Tanks

Discharge Devices

Etc



Our Brands



Systems and Products

MV

Vertical Mixed Flow Pumps

- Capacity Up to 60000 m³/h
- Total Head up to 250 m
- Pull out design available (Custom Engineered pumps with higher capacities available)
- API 610 latest edition available (VS-1 type)



AV

Vertical Axial Flow Pumps

- Capacity Up to 60000 m³/h
- Total Head up to 10 m per stage
- Pull out design available (Custom Engineered pumps with higher capacities available)
- API 610 latest edition available (VS-3 type)



CVP-NA

Concrete Volute Pumps

- Capacity Up to 105000 m³/h
- Total Head up to 35 m
- Temperature up to 50° C
- Casing with Pre-Fabricated Concrete Parts or Steel Liner available
- Metallic Parts Pull Out Design



AVS

Submersible Axial Flow Pumps

- Capacity Up to 25000 m³/h
- Total Head up to 10 m

MVS

Submersible Mixed Flow Pumps

- Capacity Up to 13000 m³/h
- Total Head up to 20 m



Systems and Products

**AS, ASN,
ASN-E,
NDS, SIRET**

Axially Split Casing Horizontal & Vertical Pumps

- Capacity Up to 15000 m³/h
- Total Head up to 240 m
- Max. Operating Pressure up to 25 bar
- Temperature up to 120° C



**TA, CM,
NPM,
TERMA, RDT**

Process (End Suction) Pumps

- Capacity Up to 2000 m³/h
- Total Head up to 250 m
- Max. Working Pressure 50 bar
- Heavy Duty design, acc API-610 latest edition available (OH-1 type)



RDC

Horizontal Process Double Flow Pumps

- Capacity Up to 2200 m³/h
- Total Head up to 320 m
- Max. Working Pressure 40 bar
- Temperature up to 350 °C
- Heavy Duty design, acc API-610 latest edition available (BB-2 type)



**MM, MT,
MET,
MD, OLT**

Multistage High Pressure Centrifugal Pumps

- Capacity Up to 1000 m³/h
- Total Head up to 2250 m
- Max. Working Pressure 250 bar
- Temperature up to 200 °C
- Heavy Duty design, acc API-610 latest edition available (BB-4, BB-5 types)



**NAx,
BRATES**

End Suction Mixed Flow Pumps

- Capacity Up to 15000 m³/h
- Total Head up to 40 m
- Temperature up to 120° C
- Available in Horizontal & Vertical Arrangement



Systems and Products

MS, MS-E

Centrifugal Multistage Pumps

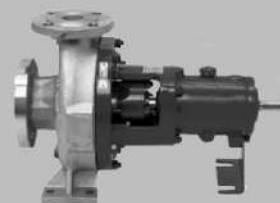
- Capacity Up to 550 m³/h
- Total Head up to 350 m
- Max. Casing Pressure up to 40 bar
- Temperature -20° C up to 140° C



MDP

End Suction Pumps according to ISO 5199 (DIN24256)

- Capacity up to 1600 m³/h
- Head up to 160 m
- Temperature up to 140° C
- Working pressure up to 16 bar



DP-BLOCK IL-N

Centrifugal Mono-block Single Stage Pumps, Single Stage In-line Pumps

- Capacity Up to 300 m³/h
- Total Head up to 90 m
- Max. Working Pressure 10 bar
- Temperature up to 140° C



LDP, LDP-X, NA Configuration VD

End Suction Vertical Pumps

- Capacity up to 2500 m³/h
- Head up to 150 m
- Temperature up to 140° C
- Working pressure up to 16 bar



LDP, LDP-X, NA Configuration VW

End Suction Vertical Pumps for Wet Installation

- Capacity up to 1000 m³/h
- Head up to 100 m
- Temperature up to 70° C
- Working pressure up to 16 bar
- API 610 latest edition available (VS-4 type)



Systems and Products

LDP, LDP-X, NA

End Suction Pumps according to EN733 (DIN24255)

- Capacity up to 550 m³/h
- Head up to 100 m

Oversized End Suction Pumps

- Capacity up to 2500 m³/h
- Head up to 150 m
- Temperature up to 140° C
- Working pressure up to 16 bar



ARCHIMEDEAN

Archimedean Screw Pumps

- Capacity Up to 6 m³/sec
- Total Head up to 12 m
- Temperature up to 50° C
- Inclination from 30° to 38°



CP

Condensate Extraction Pumps

- Capacity Up to 10000 m³/h
- Total Head up to 400 m
- Special first stage for low NPSHr
- Mixed Flow for high capacities
- Radial Flow for high head
- API 610 latest edition available (VS-6 type)



SP

Sewage Pumps

- Capacity up to : 15000 m³/h
- Total Head up to : 80m
- Non clogging single or double and vortex type impeller



DWP, MA

Vertical Deep Well Pumps

- Capacity Up to 600 m³/h (standard construction)
- Total Head up to 260 m
- Setting 150 m
- Bowl Sizes 6" – 12" (bigger sizes as optional)
- Speed up to 3600 RPM
- API 610 latest edition available (VS-1 type)



Design and Engineering

PT. Pandora Sarana Teknik has a team of experienced system designers comprising of mechanical and electrical for pump & fire fighting - protection engineers.





Project Management

PT. Pandora Sarana Teknik has several project management teams, each team comprising of project manager, supervisor, and site manager. Our project manager is experience in large industrial projects according to stringent requirement of the oil, gas, Government, Petrochemical and power generations industries.

The project manager is the client's main point of contact for the duration of the project, from the initial kick-off meeting through to commissioning and handover stage.

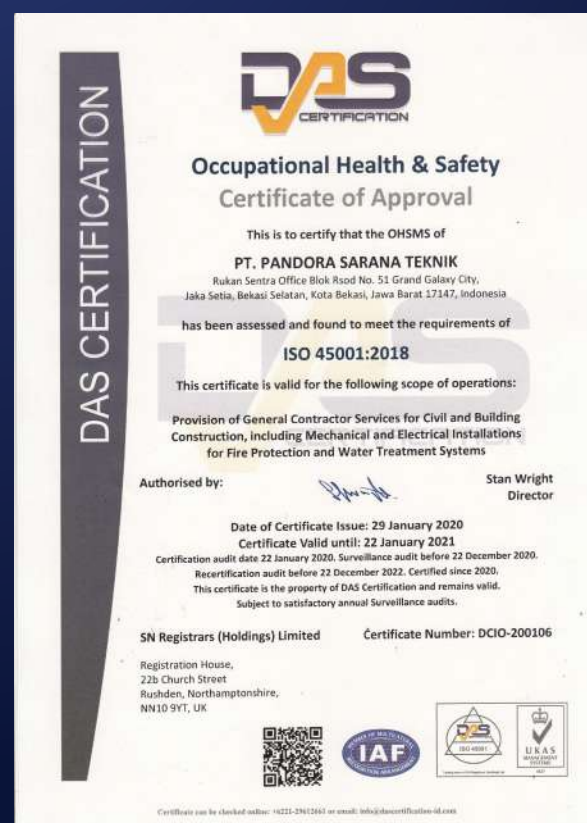
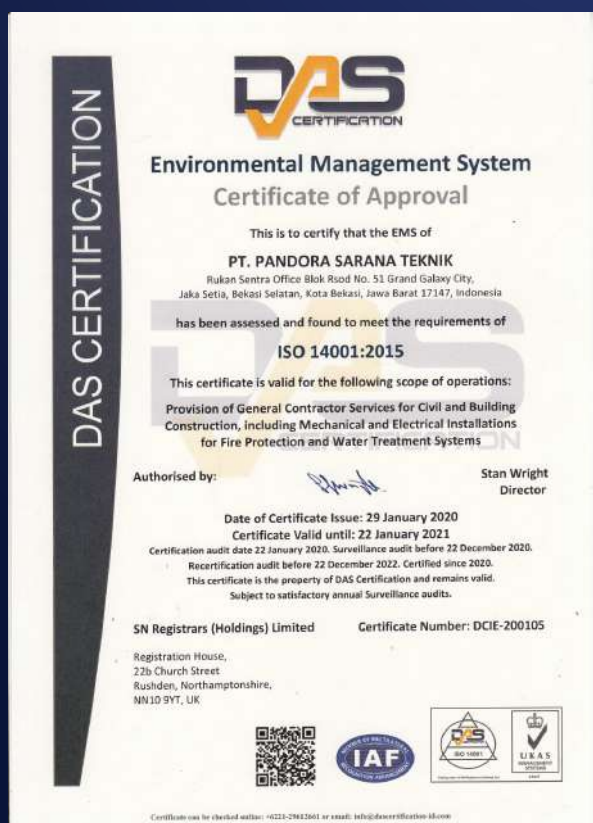


Commisioning and Services



Company Certification

We have earned some of international certification on construction service in order to establish our company to the world class company, including:



Oil & Gas

Project Name	Fire Protection System for Cruide Oil Tank – Year 2014
Owner / Client	PT. Pertamina EP Tanjung
Scope	Supply & Commissioning of Fire Protection System (Fire Hydrant & Foam System)

Project Name	Fire Fighting Equipment – Year 2014
Owner / Client	PT. Pertamina UPMS
Scope	Supply Fire Hydrant & Foam System

Project Name	Fire Fighting Equipment – Year 2015
Owner / Client	PT. Pertamina RU Balongan
Scope	Supply Foam Trailer Unit

Project Name	Fire Protection Equipment – Year 2016
Owner / Client	PT. Petrochina International (Kuningan Office-Kalijapat-Cileungsi)
Scope	Maintenance Fire Alarm, Fire Suppression, Fire Extinguisher

Project Name	Fire Suppression System – Year 2016
Owner / Client	PT. Petrochina International Kuningan Office
Scope	Supply, Erection & Commissioning of Fire Alarm & Fire Suppression System

Project Name	Fire Fighting Equipment – Year 2015
Owner / Client	PT. Pertamina EP Lirik
Scope	Supply Fire Hydrant & Foam System

Project Name	Fire Fighting Equipment for Cruide Oil Tank, Electrical Room – Year 2015
Owner / Client	PT. Pertamina ONWJ BOB SIAK Pekanbaru Site
Scope	Supply & Commissioning of Fire Protection System (Fire Alarm System, Fire Suppression FM 200, Fire Hydrant & Foam System)

Project Name	Mobile Cepu Fire Fighting Equipment – Year 2015
Owner / Client	PT. Tripatra Engineering
Scope	Supply Fire Hydrant

Government

Project Name	Flood Control Mobile Pump Dinas Sumber Daya Air DKI Jakarta Year 2020
Owner / Client	DINAS SDA PEMPROV DKI JAKARTA
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Flood Control Submersible Pump SUDIN SDA Jakarta Pusat Year 2020
Owner / Client	SUDIN SDA Jakarta Pusat
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Pipa Kolom for Submersible Pump SUDIN SDA Jakarta Utara – Year 2022
Owner / Client	SUDIN SDA Jakarta Utara
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Flood Control Oil Coller Pump SUDIN SDA Jakarta Utara Year 2022
Owner / Client	SUDIN SDA Jakarta Utara
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Flood Control Submersible Pump SUDIN SDA Jakarta Utara Year 2023
Owner / Client	SUDIN SDA Jakarta Utara
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Pemasangan Pintu Air SUDIN SDA Jakarta Utara – Year 2024
Owner / Client	SUDIN SDA Jakarta Utara
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Project Name	Flood Control Mobile Pump SDA BBWS PUPR Palu – Year 2024
Owner / Client	PT. DATUKARA TRIMULTI
Scope	Supply & Commissioning Flooding Control (Pompa Pengendalian Banjir)

Mining, Mineral Processing Plant & Power Plant

Project Name	Fire Suppression System for Electrical Room Switch Gear – Year 2014
Owner / Client	PT. Nusa Tambang Pratama Kalimantan Site
Scope	Supply, Erection & Commissioning of CO2 Suppression System
Project Name	Foam System for Solar Storage Tank – Year 2016
Owner / Client	PT. Kideco Jaya Agung Kalimantan Site
Scope	Supply Mobile Foam System
Project Name	Fire Fighting Equipment for Solar Storage Tank & Transformer – Year 2013
Owner / Client	PT. Indonesia Power Bali
Scope	Supply, Erection & Commissioning of Fire Pump, Foam System, Deluge System
Project Name	Fire Fighting Equipment for Transformer PT PLN PLTU Ombilin – Year 2015
Owner / Client	PT. Alstom Grid
Scope	Supply, Erection & Commissioning of Fire Alarm Detection & Deluge System
Project Name	Fire Hydrant, Fire Monitor & Sprinkler Spray System at PLTD Merauke, Sorong, Timika, Manokwari, Wamena, Nabire – Year 2016
Owner / Client	PT. PLN (Persero) Wilayah Papua
Scope	Supply, Erection & Commissioning
Project Name	Public Address Paging System & Monitor Display – Year 2016
Owner / Client	PT. PLN (Persero) PUSHARLIS KLENDER
Scope	Supply, Erection & Commissioning
Project Name	Fire Hydrant System – Year 2017
Owner / Client	PT. PLN (Persero) PUSHARLIS KLENDER
Scope	Supply, Erection & Commissioning
Project Name	Fire Hydrant System – Year 2017
Owner / Client	PT. PLN (Persero) PUSHARLIS SURABAYA
Scope	Supply, Erection & Commissioning
Project Name	Fire Hydrant System – Year 2018
Owner / Client	PT. PLN (Persero) PUSHARLIS SEMARANG
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System at PLTD Sentawar – Year 2018
Owner / Client	PT. PLN (Persero) UP3 SAMARINDA
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System at Gardu Induk Kota Baru Pontianak – Year 2018
Owner / Client	PT. PLN (Persero) AP2B Sistem Kalimantan Barat
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant & Foam System at Gardu Induk Simangkok– Year 2019
Owner / Client	PT. PLN (Persero) UIP3BS UPT PEMATANG SIANTAR
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System at PT PLN (Persero) UP3 BTS, UP3 BTU & Gudang Curug – Year 2019
Owner / Client	PT. PLN (Persero) UID Banten Tangerang
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System at PT PLN (Persero) ULP Anyer, ULP Cilegon – Year 2019
Owner / Client	PT. PLN (Persero) UP3 Distribusi Banten Utara Serang
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant & Foam System at Gardu Induk Sunyaragi – Year 2019
Owner / Client	PT. PLN (Persero) UIT JBT UPT CIREBON
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System PLN UP3 Lokasi ULP Anyer & Gudang Sempu – Year 2022
Owner / Client	PT. PLN UID UP3 Banten Utara
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System PLN UP3 Lokasi ULP Cilegon & ULP Cikande – Year 2022
Owner / Client	PT. PLN UID UP3 Banten Utara
Scope	Supply, Erection & Commissioning

Project Name	Penggantian dan Perbaikan Proteksi Fire System – Year 2023
Owner / Client	PT. PLN UIT JBB Gandul
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System – Year 2023
Owner / Client	PT. PLN (Persero) UID UP3 Majalaya
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System - Year 2023
Owner / Client	PT. PLN (Persero) UID UP3 Indramayu
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System – Year 2023
Owner / Client	PT. PLN (Persero) UID Gunung Putri
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System - Year 2023
Owner / Client	PT. PLN (Persero) UID UP3 Garut
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant System & Sprinkler Kantor UP3 Gunung Putri dan Gudang – Year 2024
Owner / Client	PT. PLN (Persero) UID UP3 Gunung Putri
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant Sytem Kantor UP3 Garut – Year 2024
Owner / Client	PT. PLN (Persero) UID UP3 Garut
Scope	Supply, Erection & Commissioning

Project Name	Fire Sprinkler Sytem di Gudang Lamarin – Year 2024
Owner / Client	PT. PLN (Persero) UID UP3 Lamarin
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System Kideco Project Kalimantan – Year 2024
Owner / Client	PT. TRIPATRA ENGINEERS AND CONSTRUCTORS
Scope	Supply, Erection & Commissioning

Project Name	Fire Hydrant Sytem & Fire Alarm System Tanjung Enim – Year 2024
Scope	Supply, Erection & Commissioning
Owner / Client	PT. Bukit Asam Tbk

Industry, Commercial Building & Contracting

Project Name	Public Address Paging System for site plan – Year 2015
Owner / Client	PT. Sumiden Serasi Wire Product Cibinong
Scope	Supply, Erection & Commissioning of Public Address Paging System

Project Name	Foam System – Year 2012
Owner / Client	PT. SUJ Cilegon
Scope	Supply & Commissioning of Foam Water System

Project Name	Fire Alarm System – Year 2014
Owner / Client	PT. Dankos Farma Pulogadung
Scope	Supply, Erection & Commissioning of Fire Alarm System

Project Name	Fire Alarm System – Year 2014
Owner / Client	PT. Hempel Indonesia Bekasi
Scope	Supply, Erection & Commissioning of Fire Alarm System

Project Name	Fire Alarm & Fire Suppression System for Data Center Depkom info – Year 2015
Owner / Client	PT. Abhimata Citra Abadi
Scope	Supply, Erection & Commissioning of Fire Alarm & Fire Suppression System

Project Name	Fire Alarm & Fire Suppression System for Data Center – Year 2015
Owner / Client	PT. Sinergy Media Bandung
Scope	Design, Supply & Commissioning of Fire Alarm & Fire Suppression System

Project Name	Fire Fighting System – Year 2015
Owner / Client	Sekolah Tinggi Ilmu Pelayaran Marunda Jakarta
Scope	Supply, Erection & Commissioning of Fire Pump, Foam System, Dry Chemical System

Project Name	Fire Alarm & Fire Suppression System for MRI Room – Year 2015
Owner / Client	RSAB Harapan Kita Tomang
Scope	Supply, Erection & Commissioning of Fire Alarm & Suppression System

Project Name	Fire Suppression System FM200 for Data Center – Year 2016
Owner / Client	PT. Indo Internet Jakarta
Scope	Contract Maintenance FM200 for Data Center

Project Name	Fire Suppression System FM200 for Data Center -Year 2016
Owner / Client	PT. Bumitama Gunajaya Agro Jakarta
Scope	Contract Maintenance FM200 for Data Center

Project Name	Boiler System
Owner / Client	PT. Central Proteina Prima Surabaya – Year 2015
Scope	Supply, Installation & Commissioning Boiler System

Project Name	Fire Alarm System at Hempel Paint
Owner / Client	PT. Deluge Engineering Construction – Year 2018
Scope	Supply, Erection & Commissioning

Project Name	Fire Alarm System - Year 2024
Owner / Client	PT Niro Ceramic Nasional Indonesia
Scope	Supply, Erection & Commissioning



PANDORA

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