



FABTECH

Flare Stacks

In partnership with



Industrial Capabilities



- **Fabrication Area :** 650,000m² (*DIC, JAFZA, ICAD, DJIB*)
- **Annual Capacity :** 80,000+ Tons
- **Employees :** 2,500 (*145 for Engineering, 95 for Quality and Safety, 1,600 Welders and Fabricators*)
- **Machines :** 1,000+ machines (*500 Welding machines, 25 Lathe, 15 Milling, 10 Rolling*)
- **Options of Execution :** ICV (*local content*), GCC exemption (*in land facilities*), Free Taxes (*Free Zone facilities*)
- **Environment Commitment :** 70% of our facilities electrical consumption is generated by Solar Panels

Some of our Machines



Plate Rolling
Up to 200mm Thk / 5.2m width



Dish Forming
8000 MT press / 200mm Thk



Hydraulic Press
8000 MT / 200mm Thk / 6m Width



Vert. Turning Lathe
5.5m Dia. / 3m Height



Plate Positioner
300 MT with Drift Control



Head Positioner
50 MT Capacity



CNC Lathe Machine



CNC Cutting Machine
140mm Thk CS / 70mm Thk SS

Our Flares Partnership



Fabtech

- Flare Stacks Packages.
- Complete flaring systems: detailed engineering, fabrication, assembly and integration of components



Samia Italia

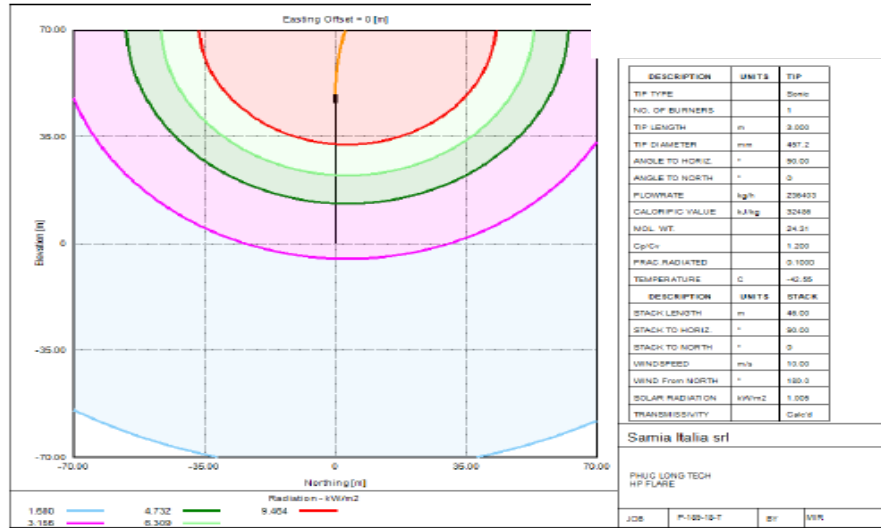
- Technology partner: flares process engineering and mechanical design, supply of tips and ignition systems.

Flaring Systems

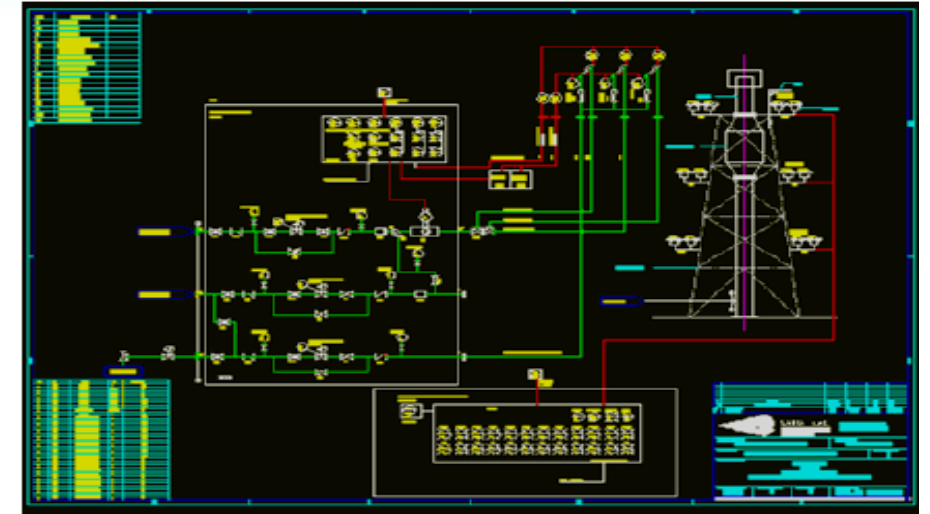
- **Elevated Flares:** Self-Supported, Guy-Wired or Derrick Supported (Stationary and Mobile)
- **Subsonic Flare Tips:** Steam-Assisted or Air-Assisted Smoke Suppression System (Smokeless)
- **Sonic Flare System:** Single and MULTIARMS Solutions (Multi-Point)
- **Horizontal Pit Flares:** Inclined Flare Tips for gas and possible liquids carry over
- **Cold Flares (Vent Stacks)** and relevant Fire Fighting Device
- **All Type of Ignition System, Monitoring and Control Systems.**



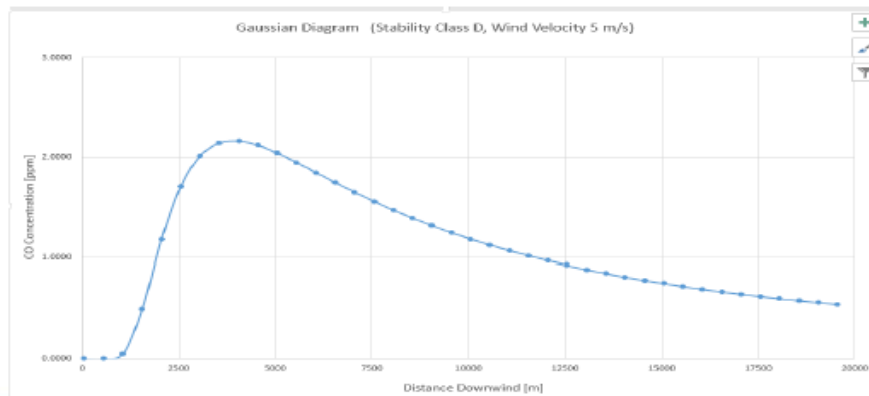
Radiation Maps



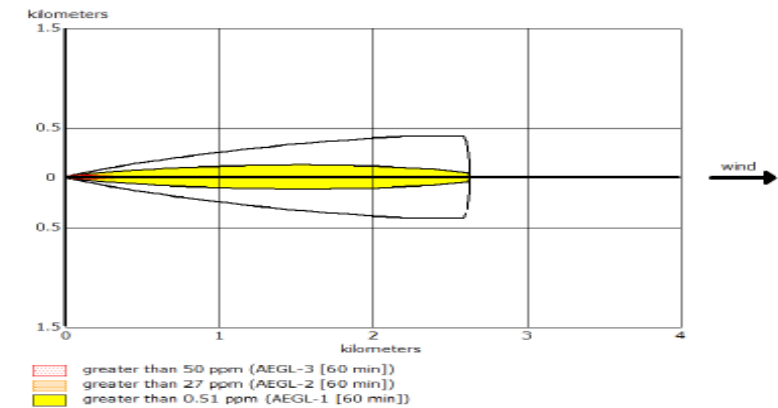
P&IDs



2D Dispersion Graphs



Dispersion Models

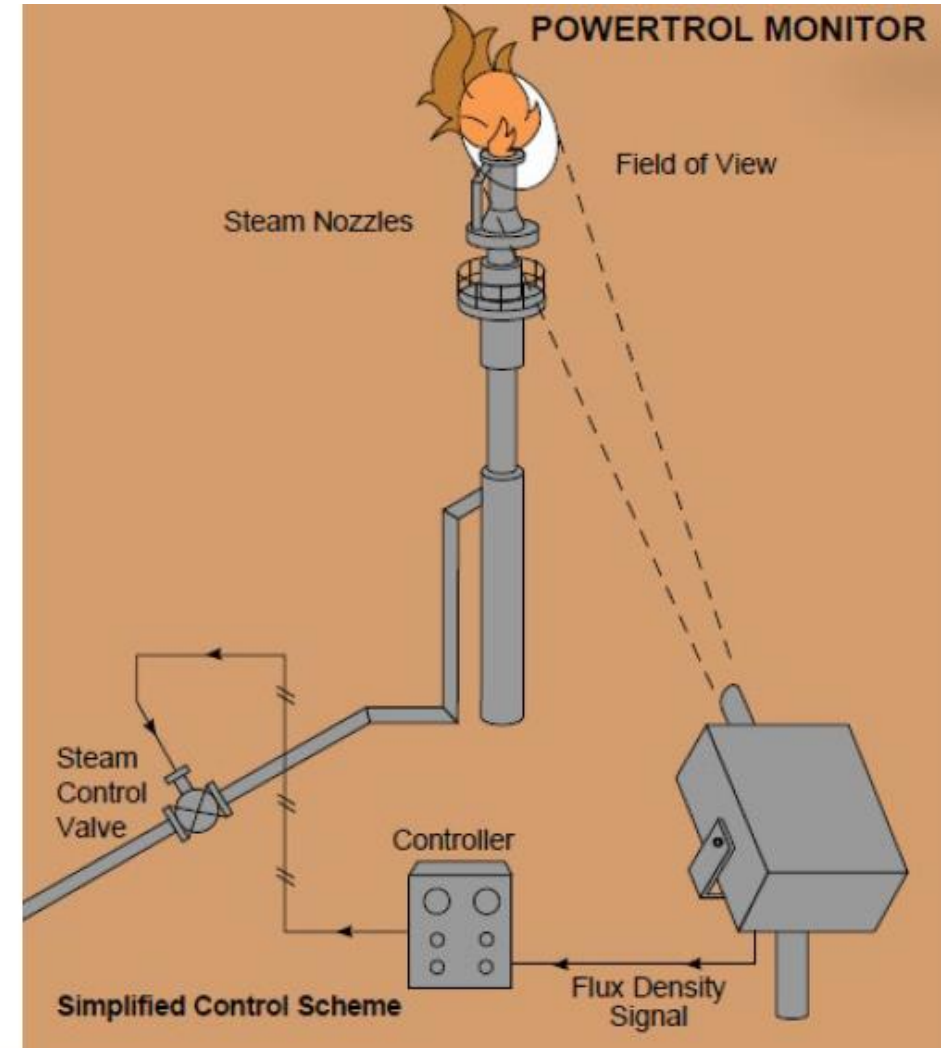
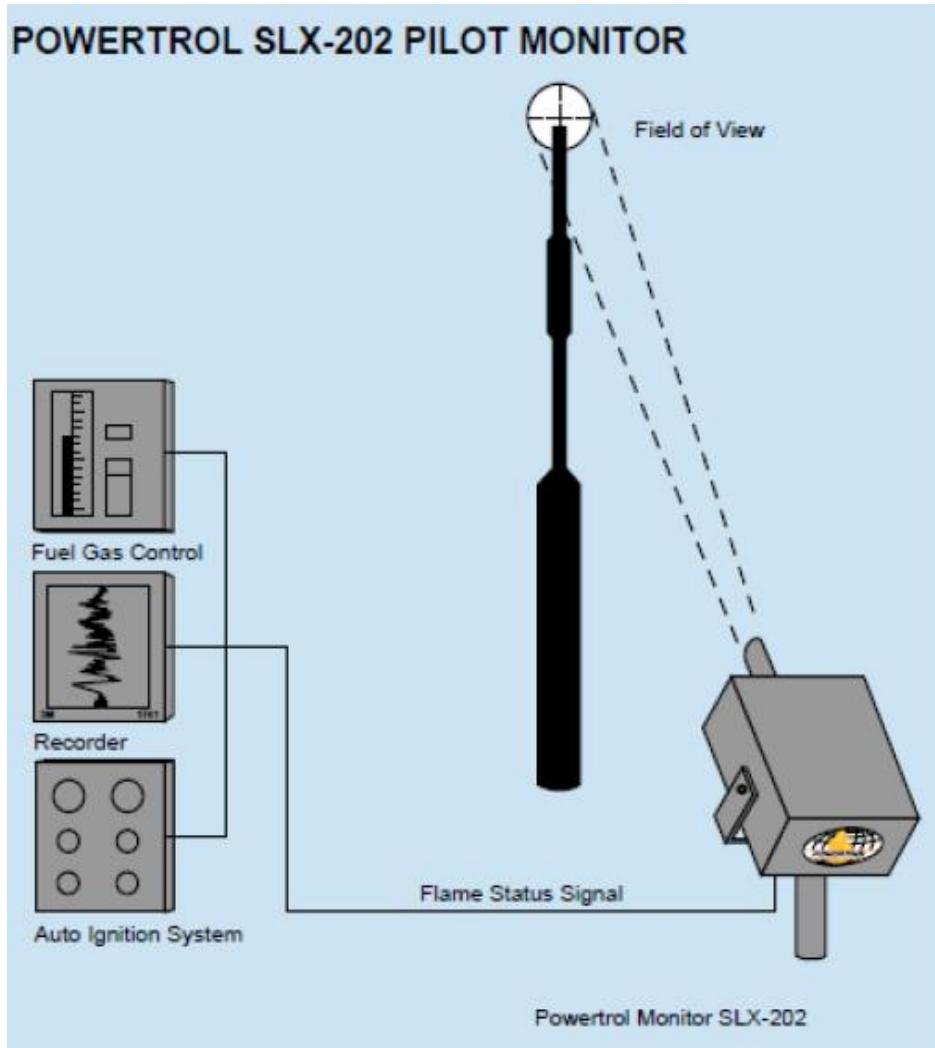


Associated Services

- **MANAGEMENT CONTROL SYSTEMS:** Safety and Monitoring automatic controls.
- **ACCESSORIES:** Design and supply of accessories and auxiliary equipment such as Valves, Hoses, Pilots, Ignition Systems, Fittings, Flanges, Blowers, Seals, Water Seals, Knock-Out Drums, and Prefabricated Piping.
- **OTHER SERVICES:**
 - Surveys, Inspections, Feasibility Studies and Drone Aerial Inspection for Flares
 - Spare Parts
 - Revamping, Repairs, Upgrade and Modifications
 - Erection Supervision
 - Start Up Support and Training Courses
 - Environmental Analysis and Pollution Dispersion Modelling



Monitoring System



Selected Projects

Diversified Applications

Self-Supported Flare Package

Height:	25 m
Flare Tip Ø:	2"
Ignition Type:	H.E.I (Automatic / Manual)
Design Flowrate:	152 kg/h
Temperature:	40°C
Pressure:	1 barg

Contractor: FOSTER WHEELER ITALIANA

Final Client: WITCO OSI Specialties Italia

Job Site: Termoli - ITALY



Selected Projects

Diversified Applications

Guy Wired-Supported Derrick Flares with Steam Assisted Smokeless Erection carried by Samia®

Height: 136 m
Flare Tip Ø: 10" H₂S
48" HC
Ignition Type: Flame Front Generation
Design Flowrate: 6400 kg/h H₂S
319,400 kg/h HC
Temperature: 200°C
Pressure: 1 barg

Contractor: TECHINT
Final Client: AGIP
Job Site: Sannazzaro
(PV) ITALY

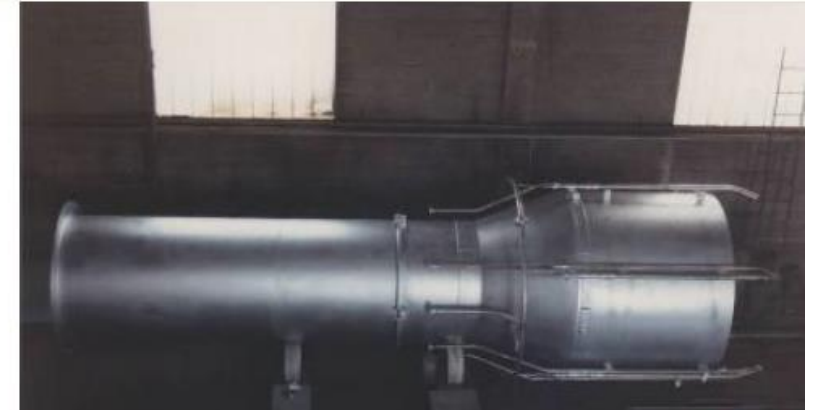


Selected Projects

Diversified Applications

Carbon Black Flare Package

Height:	9.9 m
Flare Tip \varnothing :	60"
Ignition Type:	F.F.G
Design Flowrate:	68,500 Nm ³ /h
Temperature:	200°C
Pressure:	1 barg
Contractor:	FILTER MEDIA FRANCE



Selected Projects

Diversified Applications

Self-Supported Cold Flare Package

Site erection carried out by **Samia**[®]

Height: 33m

Flare Tip Ø: 16"

Accessories: AWL and CO₂ Extinguishing System

Design Flowrate: 93,500 kg/h

Temperature: -24°C

Pressure: 1 barg

Contractor: STOGIT Spa

Final Client: STOGIT Spa

Job Site: Crema - ITALY



Selected Projects

Diversified Applications

Self-Supported Flare Packages

Smokeless Steam Assisted for HP Flare

Height:	35m
Flare Tip Ø:	20" HP Flare 4" LP Flare
Ignition Type:	F.F.G
Design Flowrate:	25.220 kg/h for HP Flare 881 kg/h for LP Flare
Temperature:	180°C
Pressure:	1 barg
Accessories:	Integrated KO Drum & Water Seal Horizontal KO Drum for LP Flare
Contractor:	LURGI OEL GAS
Final Client:	LURGI POLSKA
Job Site:	Jedlickze - POLAND



Selected Projects

Diversified Applications

Off-Shore Flare Tip

Height: 3m
Flare Tip \varnothing : 12"
Ignition Type: F.F.G + H.E.I (Auto / Manual)
Design Flowrate: 16,000 kg/h
Temperature: 164°C
Pressure: 1 barg

Contractor: COOEC - CHINA
Final Client: COOEC
Job Site: CHINA



Selected Projects

Diversified Applications

Derrick-Supported Flare Packages

Smokeless Air-Assisted for Cold Flare

Height:	90m
Flare Tip Ø:	56" Cold Flare (80" Air Riser) 32" Warm Flare
Ignition Type:	F.F.G
Accessories:	Molecular Seal, AWL, Air Blowers
Design Flowrate:	1.090.000 kg/h for Cold Flare 274.836 kg/h for Warm Flare
Temperature:	-145°C (Cold) / 40°C (Warm)
Pressure:	9 barg (Cold) / 11 barg (Warm)

Contractor: ENPPI
Final Client: UGDC
Job Site: Port Said
EGYPT



Selected Projects

Diversified Applications

Self-Supported Flare Package

Height: 10m
Flare Tip Ø: 3"
Ignition Type: F.F.G
Design Flowrate: 1,700 kg/h
Temperature: 65°C
Pressure: 3.5 barg

Contractor: ENPPI
Final Client: UGDC
Job Site: Port Said - EGYPT



Selected Projects

Diversified Applications

Derrick-Supported Sonic Flare Package

Height:	91m
Flare Tip Ø:	50"
Ignition Type:	H.E.I (Automatic / Manual)
Design Flowrate:	1,500,000 kg/h
Temperature:	-85 to +800°C
Pressure:	10 barg
Contractor:	PETROJET
Final Client:	BURULLUS GAS COMPANY
Job Site:	Nile Delta - EGYPT



Selected Projects

Diversified Applications

Offshore Multi-Points Flare Tip

Height:	3m
Flare Tip Ø:	12"
Ignition Type:	F.F.G + H.E.I
Design Flowrate:	145.081 kg/h
Temperature:	-58°C
Pressure:	3,5 barg
Contractor:	ILK Construction -Istanbul
Final Client:	PETRONAS CARIGALI
Job Site:	TURKMENISTAN



Selected Projects

Diversified Applications

Offshore Multi-Points Flare Tip

Height:	3m
Flare Tip \varnothing :	8"/6"
Ignition Type:	F.F.G + H.E.I
Design Flowrate:	23.000.000 Scf/day
Temperature:	-65°C
Pressure:	3.0 barg
Contractor:	ILK Construction -Istanbul
Final Client:	PETRONAS CARIGALI
Job Site:	TURKMENISTAN



Selected Projects

Diversified Applications

Boiler Stack and Flue Gas Duct for JGC (Saudi Arabia)



Some of our Clients

FABTECH 



ExxonMobil



أرامكو السعودية
saudi aramco



ЛУКОЙЛ LUKOIL



قطر للبترول
Qatar Petroleum



إينوك
enoc



Maire
Tecnimont

NPCC

SNC • LAVALIN

Schlumberger

BAKER
HUGHES

NOV
HALLIBURTON



Thank you for your consideration

We want to work with you !