



Project Participants

Owner

PTT IRPC LTO

Chimney EPC Contractor

Balanced Engineering & Construction Pte Ltd

FLARE STACK MAINTENANCE

FLARE STACK



IRPC recently had a major shutdown at their plant in Rayong, Thailand. BEC was appointed as the main contractor for TFLT flare overall.

Detail of work by BEC

BEC was involved in all aspects of the TFLT flare overall. This includes the changing of flare burner, pilot burners, absorbers and flare burner repairs.

- Repair and re-insulate the 6 + 8 steam lines
- Flushing and repair 3 Mx lines
- Drum cleaning, mol seals, changing grates and structural bolts
- Changing out of expansion bellows

Challenges

- Limited 18 day outage period
- Considerable coordination with plant operations to ensure no delays or stoppages to the planned start of the plant
- Procurement and delivery of materials due to the flooding in Thailand at the time

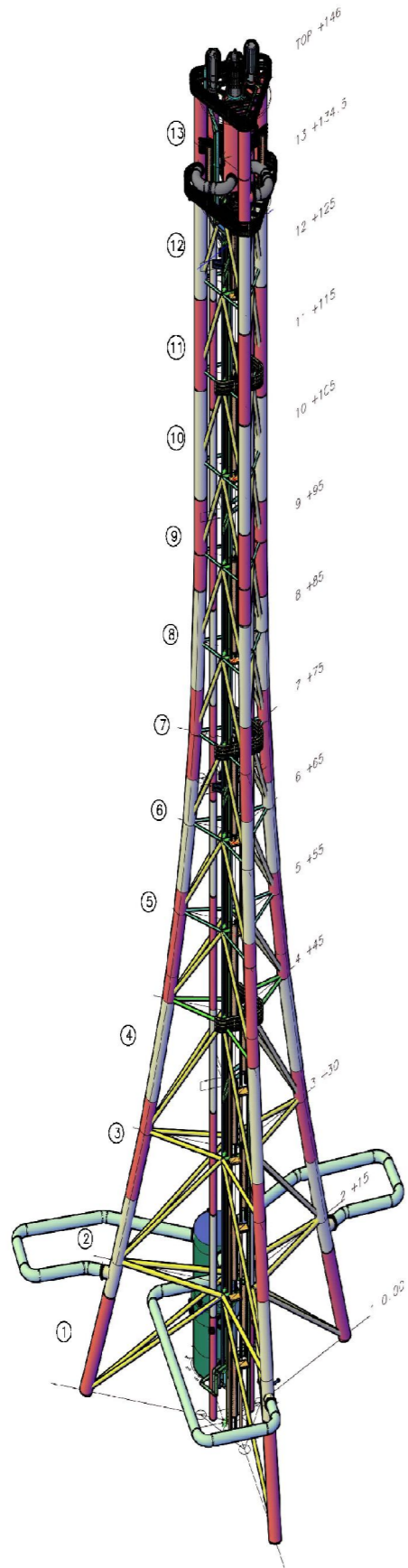


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FLARE stack elevation

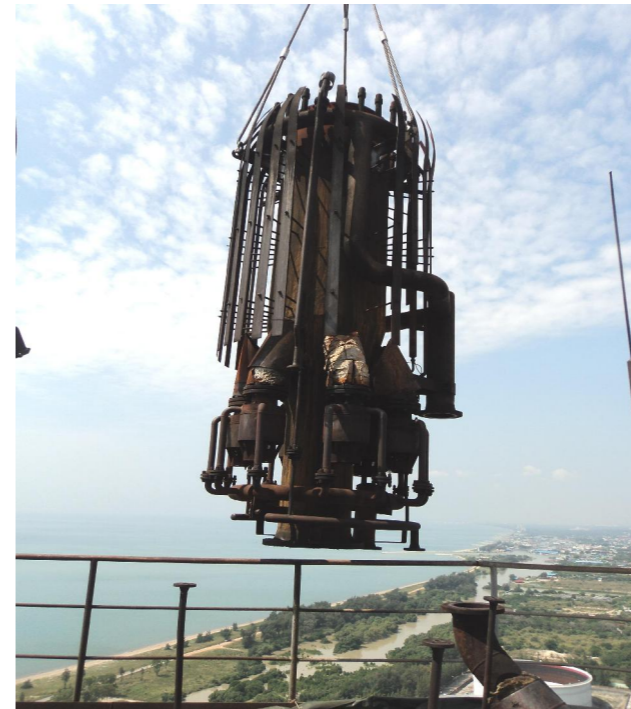
Flare data:	
Height	Free standing lattice structure
	150m
Flares	Main Flare
	Acid Flare
	Assist Flare
Access	Vertical ladder and gantry



Replacement of 3No bellows



Insulation to 8 + 6 steam liner



Removal of damaged pilot burner



Installation of new pilot burner



Group photo