

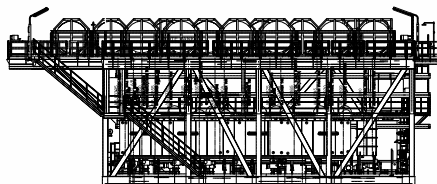
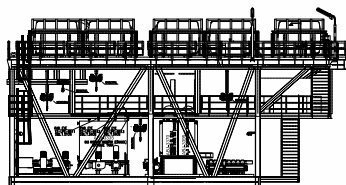
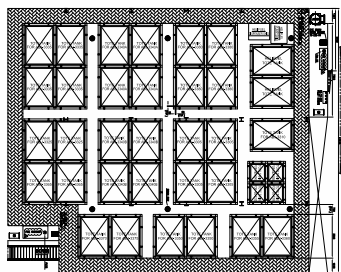
TOPSIDE MODULE

Chemical Injection Package

BELOV



Construction of Chemical Injection Module (1S-1) for the floating, production, storage and offloading unit (FPSO) "Cidade de Mangaratiba MV-24" (module dry weight 406 tonnes).



REGISTRATION

Vessel Name: FPSO Cidade de Mangaratiba MV24

Type: Topsides Module 1S - Chemical Injection Package (CIP)

Class: ABS

Year: 2014

Builder: Belov Offshore Industrial Ltda.

Owner: MODEC

MAIN PARTICULARS

DIMENSIONS

Length: 21.20 m
Width: 25.50 m
Height: 9.00m

PAINT SYSTEM

Total area: 7000 m²

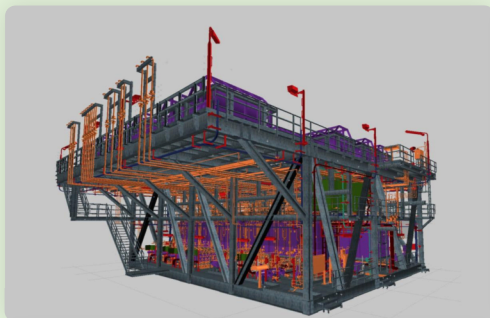
DRY WEIGHT

Structure:	310.00 t	Tubing:	11.00 t
Carbon Steel Piping:	10.80 t	Eletrical:	19.20 t
Stainless Steel	9.80 t	Equipment:	78.00 t
Piping:	9.20 t	Total weight:	448.00 t

DECK EQUIPMENT

Asphaltene InhibitionStorage Tank
Gas Hydrate Inhibitor (Ethanol) Storage Tank
H₂S Scavenger Storage Tank
Wax Inhibitor Storage Tank
Produced Oil Scale Inhibitor Storage Tank (Topside)
Water in Oil Demulsifier Storage Tank
Oil Defoamer Storage Tank
Polyelectrolyte (Inverted Emulsion Breaker) Storage Tank
Gas Corrosion Inhibitor Storage Tank
Scale Inhibitor (SRU) Storage Tank
Oxygen Scavenger Storage Tank
Produced Oil Scale Inhibitor Storage Tank (Subsea)
Biocide (Slop and Off-spec Tank) Storage Tank
H₂S Scavenger Tank
Polyelectrolyte (SRU) Storage Tank
Biocide (SRU) Storage Tank
Produced Oil Scale Inhibitor Injection Pumps (Topside)
Water in Oil Demulsifier Injection Pumps (Topside)
Oil Defoamer Injection Pumps (Topside)
Polyelectrolyte (Inverted Emulsion Breaker) Injection Pumps (Topside)
Gas Hydrate Inhibitor (Ethanol) Injection Pumps (Topside) - Low Volume
Scale Inhibitor (SRU) Injection Pumps (Topside)
Low Volume Oxygen Scavenger Injection Pumps (Topside)
Produced Oil Scale Inhibitor Injection Pumps (Subsea)
Biocide (Slop/Offspec Tank) Injection Pumps (Topside)
Spare Pump-1
Polyelectrolyte (SRU) Injection Pumps
Biodice (SRU) Injection Pumps
High Volume Oxygen Scavenger Injection Pumps
Cooling Medium/Heating Medium Chemical Injection Pump
Spare Pump-2 Injection Pump
Gas Hydrate Inhibitor (Ethanol) Injection Pumps (Subsea) - High Volume
Asphaltene Inhibition Injection Pumps (Subsea)
Gas Corrosion Inhibitor Injection Pumps (Topside)
H₂S Scavenger Injection Pumps (Subsea)
Wax Inhibitor Injection Pumps (Subsea)

PHOTO GALLERY





www.belov.com.br

Matriz – Escritório Central

Rua Quinta dos Lázaros nº 50 - Quintas
Salvador - BA • CEP: 40303-300
Telefone: (71) 3416.1900

Canteiro Marítimo de Mapele - CMM

Rua do Túnel s/n - Mapele
Simões Filho - BA • CEP: 43727-050
Telefone: (71) 3416.1970

Base Guapimirim

Estrada Martha Alcântara Fares nº3000, Lote 40 - Bairro/Distrito Cotia
Guapimirim - RJ • CEP: 25947-040
Telefone: (21) 2632.4683

Base Macaé

Avenida Nossa Senhora da Glória nº1181 - 4º andar - Praia Campista
Macaé - RJ • CEP: 27923-215
Telefone: (22) 2773.4023

