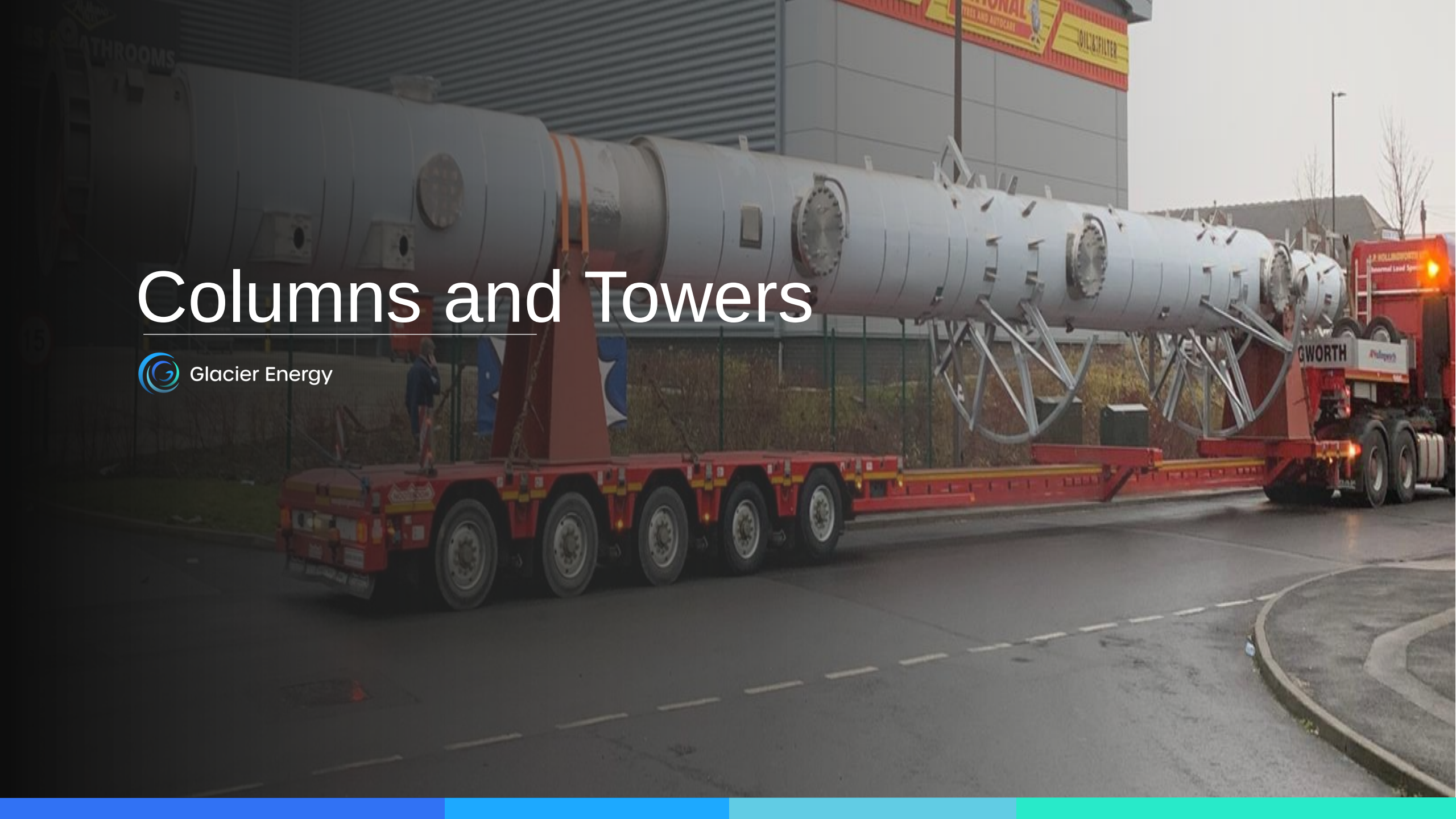
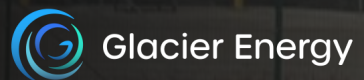




Sample Track Record

Columns and Towers



Columns and Towers

Project	Equipment	Qty	Size	Materials	Weight
Stublach Phase 1 & 2	Dehydration Towers	4	2,500mm I/Dia x 10,000mm T/T x 70mm thk	EN10028-3 P355NL2	65,000kg
Chemoxy Teeside	Distillation Column	1	12500 I/Dia X 2600 mm X	ASTM A240-UNS S31803	12,000kg
Humber Refinery	Amine Stripper Column	1	2,400mm I/Dia x 15,000mm T/T x 35mm thk	ASTM A516 Gr.70 + 316L Clad	52,300kg
Centrica York	Adsorber Tower	2	2,300mm I/Dia x 12,590mm T/T x 55mm thk	Superelso 500	122,880kg
Qatar Gas	HC Condensate Stripper	2	2,560/3,820mm I/Dia x 20,860mm T/T x 25mm thk	ASTM A516 Gr.70	41,616kg
BP Chemicals	Acid Recovery Column	1	3,277mm I/Dia x 35,509mm T/T x 20mm thk	ASTM A240 316L	70,419kg
Turkmenistan Block 1 Development	TEG Contactor	2	2,500mm I/Dia x 10,100mm T/T x 65mm thk	ASTM A516 Gr.70 + 316L Clad	81,200kg
Grain LNG	Re-condenser Tower	1	3,500mm I/Dia x 10,600mm T/T x 25mm thk	ASTM A240 316L	44,950kg
Obaiyed Field Development	Regenerator Column	1	2,900mm I/Dia x 30,000mm T/T x 25mm thk	ASTM A240 316L	60,000kg
Seqens 5.1 Billingham plant	Distillation Column	1	1,200mm I/Dia x 22,445mm T/T x 20mm thk	UNS 32205	30,000kg
Humber Refinery	Gas Splitter Column	1	3,250mm I/Dia x 30,000mm T/T x 35mm thk	ASTM A516 Gr.70	105,000kg
Conoco Phillips J Block	Stripper Tower	1	2,740mm I/Dia x 13,200mm T/T x 71mm thk	ASTM A516 Gr.70	91,680kg
Grangemouth Refinery	Demethaniser Pre-Stripper	1	2,100mm I/Dia x 32,900mm x 30mm thk	ASTM A516 Gr.70	67,000kg
Grangemouth Refinery	Depropaniser Tower	1	1,700mm I/Dia x 38,700mm T/T x 40mm thk	ASTM A516 Gr.70	75,00kg

Columns and Towers

Project	Equipment	Qty	Size	Materials	Weight
Exxon Chemicals	De-Octaniser Column	1	3,200mm I/Dia x 38,180mm T/T x 11mm thk	ASTM A516 Gr.70	87,000kg
Pembroke Refinery	Stripper Column	1	1,600mm/4,600mm x 29,060mm T/T x 28mm thk	ASTM A516 Gr.70	97,000kg
British Gas North Morecambe	Methanol Still Columns	2	850mm I/Dia x 23,000mm T/T x 13mm thk	ASTM A516 Gr.70	11,000kg
Bangladesh Kailashtilla	De-Ethaniser	1	1067/1372 I/Dia x 22,522mm T/T x 31mm thk	ASTM A240 304L	26850kg
Humber Refinery	Stripper/Absorber Tower	1	1829/2743mm I/Dia x 40,028mm T/T x 30mm thk	ASTM A516 Gr.70 (HIC)	77,351kg
Stanlow Refinery	Caustic Soda Extractor Column	1	2,200mm I/Dia x 26,980mm T/T x 20mm thk	ASTM A516 Gr.70	35,000kg
Stanlow Refinery	Casutic Soda Extractor Column	1	1,400mm I/Dia x 24,740mm T/T x 18mm thk	ASTM A516 Gr.70	26,923kg
Stanlow Refinery	Adip Extraction Column	1	1,300mm I/Dia x 17,000mm T/T x 15mm thk	ASTM A516 Gr.70	13,168kg
Antwerp Refinery	Product Stripper	1	2,743mm I/Dia x 20,045mm T/T x 19mm thk	ASTM A516 Gr.70	19,000kg
Gothenburg Refinery	MDEA Regenerator Accumulator	1	2,300mm I/Dia x 28,000 T/T x 16mm thk	ASTM A516 Gr.70 (HIC)	42,588kg
Gothenburg Refinery	Amine Absorber	1	1,700mm I/Dia x 21,300mm T/T x 60mm thk	ASTM A516 Gr.70 (HIC)	75,582kg
Point of Ayr Terminal	Amine Regenerators	2	1,870mm I/Dia x 29,890mm T/T x 18mm thk	ASTM A240 316L	34,500kg
Lindsey Oil Refinery	Extractor Vessel	1	2,000mm I/Dia x 22,000mm T/T x 30mm thk	ASTM A516 Gr.70	43,200kg

Process Vessels



Glacier Energy

Process Vessels

Project	Equipment	Qty	Size	Materials	Weight (ea)
BP Exploration - Shah Deniz	Condensate Receiver SS-VK38K30	1	3500mm I/Dia x 18700mm Long Seam/Seam x 90 + 5mm Shell Thickness, 55 + 5mm Hemispherical Head Thickness	Superelso 500/Diros 500 + 316L SS Clad	196,000 kg
BP Exploration - Shah Deniz	Gas Export Compressor Suction Scrubbers SS-VK33K10 & SS-V33K50	2	1800mm I/Dia x 3400mm High Tan/Tan x 70mm Shell Thickness, 50mm Head Thickness	BS1501-225-490B LT50	28,000 kg
BP Exploration - Shah Deniz	Turbo Expander Inlet Scrubbers SS-VK34A20 & SS-V34B20	2	1600mm I/Dia x 3800mm High Tan/Tan x 70mm Shell Thickness, 65mm Head Thickness	BS1501-225-490B LT50	25,000 kg
BP Exploration - Shah Deniz	Low Temperature Separators SS-VK34A50 & SS-V34B50	2	1900mm I/Dia x 5500mm High Tan/Tan x 55mm Shell Thickness, 55mm Head Thickness	BS1501-225-490B LT50	33,000 kg
Cygnus	Production Separator 020-V002	1	1400mm I/Dia x 3600mm High Tan/Tan x 98mm + 5mm Shell Thickness, 64mm + 5mm Hemispherical Head Thickness	Aldur 500L internally clad with Alloy 625	34,550 kg
Cygnus	Bravo Production Separator 020-V003	1	1655mm I/Dia x 5000mm High Tan/Tan x 55mm + 5mm Shell Thickness, 47mm + 5mm Head Thickness	Aldur 500L internally clad with Alloy 625	24,800 kg
Cygnus	Alpha Production Separator 020-V001	1	1300mm I/Dia x 3625mm High Tan/Tan x 47mm + 5mm Shell Thickness, 39mm + 5mm Head Thickness	Aldur 500L internally clad with Alloy 625	14,450 kg
Cygnus	MP Compressor KO Drum 026A-V002 & 026B-V002	2	1200mm I/Dia x 2350mm High Tan/Tan x 58mm + 5mm Shell Thickness, 47mm + 5mm Head Thickness	BS EN 10028-3 P355NL2. internally clad with 316L SS	14,550 kg
Cygnus	Produced Water Degasser 024-V002	1	1800mm I/Dia x 3000mm Long Tan/Tan x 10mm Shell Thickness, 6mm Head Thickness	ASTM A240-UNS S31803	6,100 kg
Cygnus	Bravo Liquid/Liquid Separator 020-V006	1	834mm I/Dia x 2300mm Long Tan/Flange Face x 34mm + 5mm Shell Thickness, 32mm + 5mm Head Thickness	BS EN 10028-3NL2 internally clad with Alloy 625	7,550 kg
Quad 204	1 st Stage HP Compressor Suction Scrubbers V-31102 & V-32102	2	1400mm I/Dia x 4400mm High Tan/Tan x 24mm Shell Thickness, 13mm Head Thickness	ASTM A240 UNS S31803	7,070 kg
Quad 204	2 ^{ns} Stage HP Compressor Suction Scrubbers V-31202 & V-32202	2	1150mm I/Dia x 4250mm High Tan/Tan x 27mm Shell Thickness, 14mm Head Thickness	ASTM A240 UNS S31803	6,780 kg
Quad 204	3 rd Stage HP Compressor Suction Scrubbers V-31302 & V-32302	2	900mm I/Dia x 4251mm High Tan/Flange Face, 39mm Shell Thickness, 28mm Head Thickness	ASTM A240 UNS S31803	13,270 kg
Quad 204	1 st Stage LP Compressor Suction Scrubber V-34003	1	1550mm I/Dia x 4300mm High Tan/Tan x 16mm Shell Thickness, 10mm Head Thickness	ASTM A240 UNS S31803	6,090 kg
Quad 204	2 nd Stage LP Compressor Suction Scrubber V-34006	1	1200mm I/Dia x 3900mm High Tan/Tan x 15mm Shell Thickness, 9mm Head Thickness	ASTM A240 UNS S31803	3,910 kg
Flyndre	Flyndre Cawdor Separator V-27300	1	4150mm I/Dia x 10790mm Long Tan/Tan x 25mm Shell Thickness, 24mm Head Thickness	BS EN 10028-7 1.4462	48,990 kg

Process Vessels

Project	Equipment	Qty	Size	Materials	Weight (ea)
Solan	Inlet Separator SLN-V-1001 & SLN-V-1002	2	3300mm I/Dia x 10000mm Long Tan/Tan x 14mm + 3mm Shell Thickness, 12mm + 3mm Head Thickness	BS EN 10028-2 P265GH, clad with 904L SS	27,100 kg
Solan	Water Injection Holding Drum SLN-V-4402	1	2300mm I/Dia x 11000mm High Tan/Tan x 10mm Shell Thickness, 10mm Head Thickness	BS EN 10028-7 1.4462	14,650 kg
Solan	Fuel Gas Drum SLN-V-2802	1	1450mm I/Dia x 3000mm High Tan/Tan x 12.5mm Shell Thickness, 10mm Head Thickness	BS EN 10028-7 1.4462	3,700 kg
Solan	Fuel Gas Compressor Suction Scrubber SLN-V-2801	1	742mm I/Dia x 2000mm High Tan/Flange Face x 10mm Shell Thickness, 6.5mm Head Thickness	BS EN 10028-7 1.4404 (316L SS)	1,400 kg
Solan	Instrument Air Receiver SLN-V-3701	1	1800mm I/Dia x 5800mm High Tan/Tan x 10mm Shell Thickness, 8mm Head Thickness	BS EN 10028-7 1.4404 (316L SS)	4,900 kg
Solan	Closed Drains Drum SLN-V-4901	1	1370mm I/Dia x 4500mm Long Tan/Tan x 8mm Shell Thickness, 6.5mm Head Thickness	BS EN 10028-7 1.4404 (316L SS)	2,500 kg
Solan	Fresh Water Tanks SLN-V4601A/B	2	2400mm I/Dia x 8000mm Long Tan/Tan x 10mm Shell Thickness, 10mm Head Thickness	BS EN 10028-3 P265GH	9,300 kg
Solan	Open Drains Tank SLN-T-4801	1	3680mm Long x 2100mm Wide x 2495mm High x 20mm Thick Typical	BS EN 10028-3 P265GH	11,700 kg
Golden Eagle	LP Gas Compressor Suction KO Drum V-2002	1	900mm I/Dia x 2000mm High Tan/Tan x 8mm Shell Thickness, 6.5mm Head Thickness	ASTM A240 UNS S32750	2,220 kg
Golden Eagle	MP Gas Compressor Suction KO Drums V-2102A/B	2	1300mm I/Dia x 2900mm High Tan/Tan x 12mm Shell Thickness, 9mm Head Thickness	ASTM A240 UNS S32750	3,750 kg
Golden Eagle	MP Gas KO Drum V-2108	1	1150mm I/Dia x 4500mm High Tan/Tan x 30 + 5mm Shell Thickness, 27 + 5mm Head Thickness	BS EN 10028-3 P355NL2 clad with 316L SS	9,380 kg
Golden Eagle	HP Gas Compressor Suction KO Drums V-2301A/B	2	1000mm I/Dia x 3100mm High Tan/Tan x 38mm Shell Thickness, 30mm Head Thickness	BS EN 10028-3 Gr. 1.1106 (P355-NL2)	8,150 kg
Golden Eagle	Low Temperature Separator V-2803	1	1150mm I/Dia x 3100mm High Tan/Tan x 30mm Shell Thickness, 27mm Head Thickness	BS EN 10028-3 Gr. 1.1106 (P355-NL2)	7,900 kg
Golden Eagle	Fuel Gas Drum V-3001	1	2400mm I/Dia x 6300mm High Tan/Tan x 33mm Shell Thickness, 33mm Head Thickness	BS EN 10028-3 Gr. 1.1106 (P355-NL2)	23,450 kg
Golden Eagle	Spent Scavenger Separator V-2110	1	1300mm I/Dia x 2700mm Long Tan/Tan x 8mm Shell Thickness, 6.5mm Head Thickness	ASTM A240 UNS S32750	2,770 kg
Centrica Storage	Inlet Gas Separator D-0901	1	1600mm I/Dia x 3260mm High Tan/Tan x 55mm Shell Thickness, 55mm Head Thickness	BS 1501-225-490B LT50	15,100 kg
Scott Modifications	Rochelle HP Separator V-0107	1	2100mm I/Dia x 6300mm High Tan/Tan x 44mm Shell Thickness, 37mm Head Thickness	ASTM A240 UNS S31803	23,030 kg



Duplex / Super Duplex Vessels

Duplex / Super Duplex Vessels

Client	Project	Description	Size	Materials
Petrofac	Scolty Crathes	GKA Combined Produced Water Degassing Vessel	2700mm I/Dia x 4315mm Tan/Tan x 12mm thk	UNS S31803
Petrofac	Scolty Crathes	3 Phase Separator	2750mm I/Dia x 9000mm Tan/Tan x 17mm thk	UNS S31803
Petrofac	Aviat	MEG Storage Vessel	2000mm I/Dia x 3250mm Tan/Tan x 8mm thk	UNS S31803
Petrofac	Aviat	Degasser Vessel	1200mm I/Dia x 2000mm Tan/Tan x 8mm thk.	UNS S31803
Petrofac	Aviat	Inlet Scrubber	610mm O/Dia x 1900 Tan/FF x 20mm thk	UNS S31803
Petrofac	Aviat	Slug Catcher	2000mm I/Dia x 4700 Tan/Tan x 34mm thk.	UNS S31803
Cameron	Ivar Aasen	Compact Floatation Unit	711mm O/Dia x 1900mm Tan/Tan x 5mm thk	UNS S32750
Talisman	Flyndre Cawdor	3 Phase Separator	4150mm I/Dia x 11000mm Tan/Tan x 25mm thk	UNS S31803
Premier Oil	Solan	Water Injection Holding Drum	2300mm I/Dia x 11000mm Tan/Tan x 10mm thk	UNS S31803
Premier Oil	Solan	Fuel Gas Drum	1450mm I/Dia x 3000mm Tan/Tan x 12.5mm thk.	UNS S31803
Talisman Energy	Claymore Compression Upgrade	1 x 1 st Stage Suction Scrubber	1700mm I/Dia x 2900mm High Tan/Tan x 12mm thick	UNS S31803
Nexen	Buzzard Phase II	Slug Catcher 1off	2800mm I/Dia x 11000 mm Tan/Tan x 16 mm thk.	Duplex 31803
Worley	Golden Eagle	Oily Water Separators 2 off	774mm ID x 2400mm long x 8mm thk	Super Duplex 32750

Duplex / Super Duplex Vessels

Client	Project	Description	Size	Materials
Talisman Energy	Claymore Compression Upgrade	1 x 2 nd Stage Suction Scrubber	1350mm I/Dia x 2550mm High Tan/Tan x 30mm thick	UNS S31803
Talisman Energy	Claymore Compression Upgrade	1 x 3 rd Stage Suction Scrubber	1258mm I/Dia x 4250mm High Tan/Tan x 28mm thick	UNS S31803
AkerSolutions	Nexen Scott Platform	1 x Rochelle HP Separator	2100mm I/Dia x 6300mm High Tan/Tan x 44mm thick	UNS S31803
Hyundai Heavy Industries	BP Quad 204	2 x 1 st Stage HP Compressor Suction Scrubbers	1400mm I/Dia x 4400mm high Tan/Tan x 24mm thick	UNS S31803
Hyundai Heavy Industries	BP Quad 204	2 x 2 nd Stage HP Compressor Suction Scrubbers	1150mm I/Dia x 4250mm high Tan/Tan x 27mm thick	UNS S31803
Hyundai Heavy Industries	BP Quad 204	2 x 3 rd Stage HP Compressor Suction Scrubbers	900mm I/Dia x 4251mm high Tan/Ff x 39mm thick	UNS S31803
Hyundai Heavy Industries	BP Quad 204	1 x 1 st Stage LP Compressor Suction Scrubbers	1550mm I/Dia x 4300mm high Tan/Tan x 16mm thick	UNS S31803
Hyundai Heavy Industries	BP Quad 204	1 x 2 nd Stage LP Compressor Suction Scrubbers	1200mm I/Dia x 3900mm high Tan/Tan x 15mm thick	UNS S31803
GDF Suez	Cygnus Project	2 x LP Compressor KO Drums	1200mm I/Dia x 2300mm high Tan/Tan x 18mm thick	UNS S31803
GDF Suez	Cygnus Project	2 x Produced Water Degassers	1800mm I/Dia x 3000mm long Tan/Tan x 10mm thick	UNS S31803
GDF Suez	Cygnus Project	2 x Condensate Coalescers	457mm O/Dia x 2653mm long O/All x 18.26mm thick	UNS S31803
GDF Suez	Cygnus Project	1 x Condensate Coalescer	457mm O/Dia x 2883mm O/All x 34.92 mm thick	UNS S31803
Nexen UK Limited	Golden Eagle Area Development	1 x LP Gas Compressor Suction KO Drum	900mm I/Dia x 2000mm high Tan/Tan x 8mm	UNS S32750
Nexen UK Limited	Golden Eagle Area Development	2 x MP Gas Compressor Suction KO Drums	1300mm I/Dia x 2700mm high Tan/Tan	UNS S32750
Nexen UK Limited	Golden Eagle Area Development	1 x Scavenger Separator	1300mm I/Dia x 2700mm long Tan/Tan x 8mm thick	UNS S32750