

Project Reference List: 1987 - 2019



Year	Project	Client	End-User	Location	Refrigerant	Capacity (kW)	Scope of Supply
2019	New Pitch Singapore Project	Linde AG	Linde Gas / Exxon Mobile	Singapore	Propane	7,000 kW	Refrigeration System
2018	FPSO Guanabara MV31	MODEC	Petrobras	Brazil	Propane	3,000 kW	Refrigeration System
2018	GC-32	Petrofac	Kuwait Oil Company (KOC)	Kuwait	-	-	Refrigerant Transfer System
2018	FPSO Carioca MV 30	MODEC	Petrobras	Brazil	-	-	Refrigeration System
2017	Salalah LPG	Petrofac	Oman Gas	Oman	Propane	3,000 kW	Refrigeration System
2017	Sonker Bulk Liquids Terminal	Petrojet	Sonker Energy	Egypt	-	-	Gas Compression Package
							BOG Recovery Unit
							Refrigeration System
2017	Orbost Gas Plant Upgrade	Worley Parsons	Cooper Energy	Australia	Propane	500 kW	Refrigeration System
2015	QCLNG Upstream Phase II	QGC Pty Limited	Shell	Australia	Propane	4,500 kW	Dehydration System
							Dew Point Control Unit
							Refrigeration System
2015	KNPC Clean Fuels Project	JGC Corporation	Kuwait National Petroleum Company (KNPC)	UAE	R-134a	204 kW	Refrigeration System
2015	SAMAC MMA/PMMA Project	CTCI Corporation	SABIC	Saudi Arabia	Ammonia	6,400 kW	Refrigeration System
2014	Safah Gas Plant	Occidental of Oman Inc.	Occidental Petroleum Company (Oxy)	Oman	Propane	1,700 kW	Refrigeration System
2014	Gorgon Barrow Island Project	Procom	Chevron	Western Australia	R-507c	25 kW	Refrigeration System
							BOG Recovery Unit
2014	Matindok Donggi Project 5	PT. Rekayasa Industri	Pertamina	Indonesia	Propane	1,250 kW	Dew Point Control Unit
							Refrigeration System
2014	AKKAS Gas Field Project	Daewoo Engineering & Construction Co	Korean Gas Corporation (KOGAS)	Iraq	Propane	9,000 kW	Gas Compression Package
							Refrigeration System
2014	Jazan Refinery	JGC Corporation	Saudi Aramco	Saudi Arabia	Propane	380 kW	Refrigeration System
							Water Chiller
2014	Zauliyah Gas Compression Project	Frames	Petroleum Development Oman (PDO)	Oman	R-134a	440 kW	Refrigeration System

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2013	Saudi Elastomers Project (SEP) EPDM and PBR Facilities	Tecnicas Reunidas (TR)	SABIC	Saudi Arabia	-	1,030 kW	Chiller
2013	Saudi Elastomers Project (SEP) EPDM and PBR Facilities	Tecnicas Reunidas (TR)	SABIC	Saudi Arabia	Propane	7,036 kW	Refrigeration System
2013	FPSO Cidade de Saquarema	SBM Offshore Group	Petrobras	Brazil	Propane	4,400 kW	Dew Point Control Unit Refrigeration System
2013	FPSO Cidade de Marica	SBM Offshore Group	Petrobras	Brazil	Propane	4,400 kW	Dew Point Control Unit Refrigeration System
2012	Sadara Project	Linde AG	Saudi Aramco	Saudi Arabia	Ammonia	224 kW	Refrigeration System BOG Recovery Unit
2012	EVA Plant & Utilities Project	GS Engineering & Construction	Siphem	Saudi Arabia	R-134a	26 kW	Refrigerated store Refrigeration System
2012	Petroleum Development Oman (PDO)	Process Group	Petroleum Development Oman (PDO)	Oman	Propane	404 kW	Dew Point Control Unit Refrigeration System
2011	FPSO Cidade de Ilhabela	SBM Offshore Group	Petrobras	Brazil	R-134a	4,400 kW	Dew Point Control Unit Refrigeration System
2010	Minerva Gas Project	Process Group	BHP	Australia	Propane	686 kW	Refrigeration System
2008	Bass Gas CO2	Air Liquide	Exxon Mobil	Australia	Ammonia	629 kW	Gas Compression Package BOG Recovery Unit Refrigeration System
2008	HPC Project	Process Group	Hayan Petroleum Co	Syria	Propane	740 kW	Dew Point Control Unit Refrigeration System
2008	Vopak	Chiyoda	Vopak	Singapore	Propane	410 kW	Refrigeration System
2008	Low-Density Polyethylene Plant (PDPE) Project	Toyo Thai	PTT Polyethylene	Thailand	R-134a	145 kW	Refrigerated store
2008	Ship loading benzene	Fujian Refining	Fujian Refining	China	-	-	Vapour Recovery Unit
2008	Road & rail anker loading	Sinopec Zhongyuan Petrochemical	Sinopec Zhongyuan Petrochemical	China	-	-	Vapour Recovery Unit
2008	ARPC expansion	Arak Petrochemical	Arak Petrochemical	Iran	Propylene	64 kW	Refrigeration system
2008	FSO Yuri Korchagin	Keppel Shipyard	Lukoil	Russia	R-507c	-	Vapour Recovery Unit

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2007	Butadiene storage & export	Ferdows Machine Co	Jam Petrochemical Co	Iran	Propylene	900 kW	Butadiene export chiller Butadiene storage chiller
2007	Gas project	Santos	Santos	Indonesia	Propane	169 kW	Dew Point Control Unit
2007	Qingdao Refinery	Sinopec	Sinopec	China	Propylene	-	Vapour Recovery Unit
					Ethylene		
2007	CO2 & LNG	Process Group	Cool Energy	Australia	CO2	47 kW	CO2 separation experimental system
2006	Polycarbonate	Formosa Plastics	Formosa Plastics	Taiwan	Propylene	-	Vapour Recovery Unit
					Ethylene		
2005	Hi-cut vapour recovery	Shell	Shell	Geelong, Australia	Propylene	-	Vapour Recovery Unit
					Ethylene		
2005	LPG storage cavern	Rotary Engineering	BP	China	-		Vapour Recovery Unit
2005	Fuel gas treatment	MAN Ferrostal	Kufpec	Indonesia	Propane	206 kW	Fuel gas DPCU 3.9 MMscfd
2004	Marine loading terminal	Rotary Engineering	Vopak	China	Propylene		Acrylonitrile vapour recovery & inhibitor system
					Ethylene		
2004	FPSO Enfield	Woodside Petroleum	Woodside Petroleum	Australia	-		Gas Compression Package
2003	Fertiliser plant expansion	Asean Bintulu Fertilisers	Asean Bintulu Fertilisers	Malaysia	Ammonia	4400 kW	Process ammonia refrigeration
2002	Hang Tuah platform	Istana Karang Laut	Conoco Phillips	Indonesia	R-134a	1720 kW	Gas DPCU 270 MMscfd
2002	Belida platform	Istana Karang Laut	Conoco Phillips	Indonesia	R-134a	860 kW	Gas DPCU 140 MMscfd
2002	Jambi Gas	Process Group	PT Titis Sampurna	Indonesia	Propane	2000 kW	Gas DPCU
2002	FPSO Challis Venture	Newfield (Coogee Resources)	Newfield (Coogee Resources)	Australia	-	6.1 MMSCFD	Gas Compression Package
2002	Balal platform	Kvaerner Process	Total Fina Elf	Iran	-	110 kW (motors)	Fuel Gas Package
2001	Storage terminal vapour recovery	Rotary Engineering	Oiltanking	Singapore	-		Propylene oxide vapour recovery VCM tank cooling
2000	Ethylene storage & liquefaction	Process Group	Qenos	Australia	Propane Ethylene	685 kW	Ethylene/propane cascade refrigeration system

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1999	Fertiliser plant	Linde AG	WMC Fertilisers (now Incitec Pivot)	Australia	Ammonia	5840 at +4 deg.C 3180 at -5 deg.C 1278 kW at -33 deg.C	Process ammonia compression & liquefaction system BOG recovery unit Purge gas recovery unit
1998	Moonie Oil (Santos)	Santos	Santos	Australia	Propane	420 kW	Dewpoint control unit
1997	Exxon Chemicals	Chiyoda	Exxon Chemicals	Singapore	R-134a	1100 kW	Complete glycol chiller package
1996	Kallang gas plant	Sembawang Engineering	Public Utilities Board	Singapore	Ammonia	2 x 98 kW	Dewpoint control unit for town gas
1996	Fertiliser plant expansion	Asean Bintulu Fertilisers	Asean Bintulu Fertilisers	Malaysia	Ammonia	2900 kW	Process ammonia refrigeration
1995	Rayong Storage Terminal	Thai Tank Terminal	Thai Tank Terminal	Thailand	R-22	150 kW	Acrylonitrile cooling package
1995	Rayong Storage Terminal	Thai Tank Terminal	Thai Tank Terminal	Thailand	R-22	208 kW	Styrene monomer cooling package
1995	Trieste Solvent Scour	Wooltech Europe srl	Wooltech Europe srl	Italy	Ammonia R-123	1500 kW at +10 deg.C 60 kW at +100 deg.C	Solvent distillation system Wool drying system Trichloroethylene vapour recovery system
1994	Styrene monomer plant	PT Risjad Brasali Styrimdo	PT Risjad Brasali Styrimdo	Indonesia	R-22	440 kW	SM tank cooling system
1994	Polystyrene plant	PT Risjad Brasali Chemindo	PT Risjad Brasali Chemindo	Indonesia	Ammonia	2600 kW	Ammonia water chiller Stratified tank storage system
1994	Yeast production plant	Mauri Yeast	Mauri Harbin Yeast Co.	China	Ammonia	940 kW	Refrigerated air drier with heat reclaim
1993	FPSO Griffin Venture	BHP Petroleum	BHP Petroleum	Australia	R-134a	43 MMSCFD gas stream 820 kW	Glycol chiller package for gas dewpoint control
1993	Pulau Pesek tank storage	Rotary Engineering	Mobil Oil	Singapore	R-22	3 x 300 kW	Pressure control system for 2 x 20,000 tonne pentane tanks
1993	Onslow Gas Plant	Linde Australia	BHP Petroleum	Australia	-	3900 sm ³ /hr	Fuel gas compressor
1993	Gibson Island CO ₂	Air Liquide	Air Liquide	Australia	Ammonia	350 kW	CO ₂ liquefaction
1993	Dow Taiwan	Dow Chemical	DOW Chemical Company	Taiwan	R-502	55 kW	Upgrade of propylene oxide vapour recovery system
1992	Altona Petrochemicals	Dow Chemical	DOW Chemical Company	Australia	R-22	210 kW	Glycol chiller system for polystyrene plant
1992	Kooragang Island CO ₂	Air Liquide	Air Liquide	Australia	Ammonia	90 kW	CO ₂ liquefaction
1992	Launceston Solvent Scour (Experimental pilot plant)	Wooltech Australia	Wooltech Australia	Australia	R-22		Solvent distillation system Wool drying system Trichloroethane vapour recovery system

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1991	Antibiotics production plant	Hovione Chemicals	Hovione Chemicals	Macau	R-22 R-23	45 kW	Low-temperature cascade fluid chiller
1991	Yeast production plant	Fleischmann's Yeast	Fleischmann's Yeast	Canada	R-22	720 kW	Refrigerated air drier with heat reclaim
1990 - 1993	Air separation plants (4 projects)	CIG Ltd (now BOC Gases)	CIG Ltd (now BOC Gases)	Australia	R-22	100 to 350 kW	Refrigeration chiller and condensing unit packages
1989	Denison Trough Gss Plant	Central Queensland Natural Gas (now Origin Energy)	CQNG (now Origin Energy)	Australia	R-22	450 000 sm3/day 505 000 sm3/day 250 kW	Gas depoint control for two separate gas streams at 96 barg with condensate stabilisation
1990	Kwinana CO2	Air Liquide	Air Liquide	Australia	Ammonia	5000 tonne/year liquefier 200 tonne stotage 320 kW	CO2 liquefaction
1989	Barracouta Platform	Esso Australia (now ExxonMobil)	Esso Australia (now ExxonMobil)	Australia	R-22	127 000 sm3/d 180 kW	Gas dewpoint control unit 150 barg gas
1989	Brunei - various platforms	Carrier Air Conditioning	Brunei Shell Petroleum	Brunei	R-22	-	5 x 316SS package aircon units
1989	Dow Taiwan	Dow Chemical	DOW Chemical Company	Taiwan	R-502	55 kW	Upgrade of propylene oxide vapour recovery system
1988	Formosa Plastics Mai Liao	Carrier Air Conditioning	Formosa Plastics	Taiwan	R-502	35 kW	Methylene chloride chiller package
1987	Formosa Plastics Mai Liao	Carrier Air Conditioning	Formosa Plastics	Taiwan	R-22	27 kW	Hexane vent gas condenser system

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