

Wilhelmsen Callenberg

**HVAC PLANTS
AND EQUIPMENT**

Reference list:

OFFSHORE

AC Marine AS

Delivery Year	Operator/ Oil Comp.	Client	Field/Project	Concept	Equipment/Scope of work
2010	CNOOC	Shanghai Waigaoqiao Shipbuilding Corp. Ltd	H1188 Deepwater Semi-submersible Drilling Unit	Semi sub Drilling rig	Basic engineering, equipment delivery, commissioning
2010	Rowan	Imeco / Le Tourneau	Hull 243	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2009	Rowan	Imeco / Le Tourneau	Hull 242	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2008	StatoilHydro	StatoilHydro	Jetty 12 Mongstad	Refinery	HVAC equipment delivery, installation (HVAC + EI), commissioning
2009	Rowan	Imeco / Le Tourneau	Hull 241	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2009	Rowan	Imeco / Le Tourneau	Hull 240	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2009	BP Norway	Samsung Heavy Industries Co., Ltd.	BP Skarv	FPSO	HVAC system Engineering, equipment delivery and commissioning of Accommodation, Fwd and Aft Hull areas
2009	Statoil	Leirvik Module Technology	Troll A LEQ	Platform	Turn-key contract
2007		Noske Kaeser	Prirazlomnoye Oil Field	Platform	Delivery of Airfilter/Louvres/Diffusors
2007	Statoil	Statoil Kårstø	Kårstø	Refinery	Air Handling units
2007/-08/-09	PetroRig 1/2/3	Jurong Shipyard Pte. Ltd.	Hull 1087/1088/1090	Semi sub Drilling rig	Basic Engineering, equipment delivery, installation review, commissioning
2007	Petrobras	QUIP	Petrobras P-53 Topside	FPSO	Chiller and Fire-/Tightness-damper deliveries
2007	Total	Hyundai H.I. Offshore Division	Yadana	Jacket/Fixed platform	HVAC Technical rooms. Basic Engineering, equipment delivery, commissioning
2007	Total	Hyundai H.I. Offshore Division	Moho-Bilondo	FPU	HVAC Accommodation, Deck/Hull area. Basic Engineering, equipment delivery, commissioning

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2007/-08/-09	Seadrill 8/9/13	Jurong Shipyard Pte. Ltd.	1085/1086/1089	Semi sub.Drilling rig	Basic Engineering, equipment delivery, installation review, commissioning
2006	HYDRO	Flexmodul	Njord A Temporary LQ	Production Platform	Turnkey
2006	Petrobras	Fels Technip	Petrobras P-52	Semi sub.	Complete HVAC equipment delivery, training of Petrobras operators and commissioning
2006	Rowan	Imeco / Le Tourneau	Hull 232	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2006	Rowan	Imeco / Le Tourneau	Hull 227	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2006	Shell / Exxon Moblie	ABB Lummus Global B.V.	Molikpaq Tie-In	Modules	HVAC systems for Module A and B. Engineering, Equipment and duct elivery, Commissioning
2006	NIOC	SADRA	SALMAN EPC-2	Jackets	HVAC systems for Accom. Platform, Prod. Platform, Gas Lift Platform and two off Wellhead Platforms. Engineering, Equipment Delivery and Commissioning.
2005	Rowan	Imeco / Le Tourneau	Rowan Bob Keller	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2005	BP/Amoco	Daewoo Shipyard and Marine Engineering	Atlantis	PQ Semi-sub	HVAC accommodation, deck/machinery, pontoon/columns. Engineering verification, equipment delivery, commissioning
2005	Husky Oil	Husky Oil	White Rose Project Sea Rose FPSO	FPSO	HVAC modification / additional cabins and offices, basic engineering, equipment delivery, commissioning
2005	Statoil	Leirvik Module Technology	Snorre B	Production Platform	Delivery and offshore installation of new back-up cooling unit.
2004	Hydro	Leirvik Module Technology	Oseberg Øst Extension	Production Platform	Design/Engineering assictance, delivery of ductwork
2004	Hydro	Leirvik Module Technology	Troll C study – new cabin modules	Production Platform	HVAC design study for extension of LQ
2004	NIOC	SADRA	SALMAN EPC-2	Jackets	HVAC systems for Accom. Platform, Prod. Platform, Gas Lift Platform and two off Wellhead Platforms. Engineering, Equipment Delivery and Commissioning.
2007	Statoil	Linde AG /Aker Kværner/Axima	Snøhvit LNG Plant	LNG plant	Engineering verification, equipment delivery, commissioning
2004	Santos Ltd (Australia)	Framo Engineering	Mutineer & Exeter Development Power Control Module	FPSO	Engineering, equipment delivery, Installation of ductwork and equipment, commissioning /start-up (Complete Turnkey)
2004	Santa Fe	Jurong Machinery and Automation Co., Ltd.	Santa Fe rigg 185	Drilling Platform	Basic Engineering, equipment delivery, commissioning

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2004	Statoil	Nymo Mek. Verksted	Statfjord "A"	GBS	Complete Turnkey HVAC Systems
2004	Rowan	Imeco / Le Tourneau	Rowan Scooter Yeargain	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2004	BP/Amoco	Daewoo Shipyard and Marine Engineering	Thunder Horse	PDQ Semi-Sub.	HVAC accommodation, deck/machinery, pontoon/columns. Engineering verification, equipment delivery, commissioning
2004	Dolphin	Markhus AS	Bideford Dolphin	Drilling rig	Design/Engineering, Office module, Installation of ductwork and equipment, commissioning /start-up
2003	ExxonMobil	Tri-Ocean-Term Ltd.	Sakhalin I	Production Platform	HVAC Equipment delivery
2003	Hydro	Leirvik Module Technology	Visund	Production Platform	Design/Engineering, cabin module, Installation of ductwork and equipment, commissioning /start-up
2003	BP/Amoco	Markhus AS	Valhall Flanke North/South	WHP Jacket	Complete supply of HVAC system including engineering, equipment delivery, installation and commissioning
2003	Husky Oil	Samsung Heavy Ind.	White Rose	FPSO	HVAC accommodation, basic engineering, equipment delivery, commissioning
2003	Santa Fe	Jurong Machinery and Automation Co., Ltd.	Santa Fe rigg 184	Drilling Platform	Basic Engineering, equipment delivery, commissioning
2003	Rowan	Imeco/ Le Tourneau Inc.	Gorilla VIII	Jack-Up Rig	HVAC Accommodation. Basic Engineering, equipment delivery, commissioning
2002	Petrobras	Petrobras	Petrobras P-32	Production Platform	Fan delivery
2002	Petrobras	Kellogg Brown & Root	Petrobras P-43	FPSO	Equipment delivery
2002	Petrobras	Kellogg Brown & Root	Petrobras P-48	FPSO	Equipment delivery
2002	Husky Oil	Samsung Heavy Industries Co., Ltd.	White Rose	FPSO	Basic Engineering, equipment delivery, commissioning
2002	Maersk Contractors	Hyundai H.I. Offshore Division	CJ-70 Drilling Rig	Jack-Up Rig no. 1	Engineering Verification, equipment delivery, commissioning
2002	Statoil	ABB Offshore Systems	Gulfaks A	Production Platform	Design/Engineering, Office module, Installation of ductwork and equipment, commissioning /start-up
2001	Smedvig	ABB Offshore Systems	Vest Alpha	Production Platform	Design/Engineering, Engine room, Installation of ductwork and equipment, commissioning /start-up
2001	Esso	ABB Offshore Systems	Ringhorne Platform Project	Topside	Design/Engineering, delivery of all HVAC equipment, commissioning and start-up

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2001	BP/Amoco	Kvaerner Oil & Gas	Tambar Wellhead Platform	WHP Jacket	Delivery of all HVAC equipment
2001	Petropars/NIOC	Sadra/Samsung Consortium	South Pars Phase I	L.Q. Jacket	Engineering Verification, delivery of all HVAC equipment
2001	Petropars/NIOC	Sadra/Samsung Consortium	South Pars Phase I	PP Jacket	Engineering Verification, delivery of all HVAC equipment
2001	Petropars/NIOC	Sadra/Samsung Consortium	South Pars Phase I LQ, Production and Wellhead Platforms	Jackets	Engineering Verification, delivery of all HVAC equipment
2001	Stena Offshore	Kvaerner Warnow Werft GmbH	Stena Don	Semisub	Complete Turnkey HVAC Systems
2000	Petrobras	Maritima Engenharia	Petrobras P-38	FSO	HVAC Accommodation + Hull Area
2000	Petrobras	Maritima Engenharia	Petrobras P-40	FPSO	HVAC Accommodation + Hull Area
1999	ELF	MPG/Hyundai H.I., Shipbuilding Division	Elf Girassol	FPSO	HVAC Accommodation+workshops, Basic Engineering, equipment delivery, commissioning
1999	Navis	Samsung Heavy Industries	HN 1256	Drillship	HVAC Accommodation
1999	Norsk Hydro	ABB Offshore Systems	Heimdal Riser 2000	Jacket	Engineering & Equipment delivery
1999	Saipem	Samsung Heavy Industries	HN 1273	Drillship	HVAC Accommodation
1999	Saipem	Samsung Heavy Industries	HN 1273	Drillship	HVAC Topside
1998	Esso	ABB Offshore Technology	Jotun Wellhead Project	Jacket	Topside
1998	Norsk Hydro	Aker Stord	Oseberg Sør	Jacket	Topside incl. Living Quarter
1998	Norsk Hydro	Aker Stord	Oseberg (D) Gass	Jacket	Topside
1998	Norsk Hydro	Umoe Technology	Troll C GVA, Incl. Living Quarter	GVA 8000	Design/Engineering of L.Q., delivery of all HVAC equipment
1998	Statoil	Kværner Rosenberg	Åsgard B	Semisub	Complete HVAC delivery
1997	Esso	ABB Offshore Technology	Jotun Wellhead Platform		Design/Engineering of all HVAC system excl. L.Q.
1997	Norsk Hydro	Kværner	Oseberg Øst Topside incl. Living Quarter	Jacket	Design/Engineering, delivery of all HVAC equipment, installation
1997	Norsk Hydro	UMOE	Visund GVA incl. Living Quarter	GVA 8000	Design/Engineering, delivery of all HVAC equipment and ducts
1997	Petrobras	Industrias Verolme Ishibras S.A.	Petrobras P-34 PP Moraes	FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning

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1997	Saga	FELS	Varg FPSO	FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1997	Statoil	Aker Engineering	Lufeng		Delivery of HVAC Equipment
1997	Statoil	Aker Maritime	Lufeng 22-1 Project	FPSO	Delivery of HVAC Equipment
1997	Statoil	FELS	Norne FPSO Living Quarter, Machinery Space	FPSO	Design/Engineering, delivery of all HVAC equipment, Installation/Commissioning
1997	Statoil	Hitachi Zosen	Asgard "A" FPSO	FPSO	Design/Engineering, delivery of CVC & Ref. Plant
1997	Statoil/Bergesen	Samsung Heavy Industries	MST Accommodation and Machinery Space HN 1211	MST/FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1997	Statoil/Bergesen	Samsung Heavy Industries	MST Accommodation and Machinery Space HN 1183	MST/FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1996	Statoil/Bergesen	Samsung Heavy Industries	MST Accommodation and Machinery Space HN 1160	MST/FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1996	BP	Astano/Indunor	Foinaven FPSO Living Quarter	FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1996	Maersk	Stork	Harald West "A" WHP		Delivery of HVAC equipment
1996	Phillips	Kværner Engineering AS	Ekofisk 2/4J Prefabricated Cassette Walls	Prefabri-cated walls	Design/Engineering, delivery of Prefabricated Cassette Walls
1996	Smedvig	FELS	Balder FPSO Living Quarter, Machinery Area	FPSO	Design/Engineering, delivery of all HVAC equipment, installation, commissioning
1996	Texaco	Astano/Indunor/Hanafesa	Texaco Captain FPSO Living Quarter	FPSO	Design/Engineering, delivery of all HVAC equipment, commissioning
1995	Norsk Hydro	Leirvik Sveis	Troll Olje Living Quarter	GBS	Design/Engineering, delivery of all HVAC equipment, installation, commissioning
1995	Petrobras	Ultratec	Petrobras XXV	Semisub	Delivery of all HVAC equipment
1995	Texaco	Siv. Ing. Balas & Jørgenvåg AS	Texaco Captain Wellhead Platform, Air Handling Units and fans		Design/Engineering, delivery of all HVAC equipment, installation, commissioning
1994	Adma-Opco	Adma-Opco/Bechtel	UMM Shaif	Jacket	Design/Engineering, delivery of all HVAC equipment, commissioning

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1994	Chevron	Astano, Ferrol -Spain	Alba FSU Living quarters, Machinery Space	FSU	Design/Engineering, delivery of all HVAC equipment, commissioning
1994	Conoco	Haugesund Mekaniske Verksted	Heidrun M30		Shop engineering, prefab. Of ducts, installation
1994	Conoco	Norwegian Contractors	Heidrun Field Development, TLP Substructure	TLP	Installation of ductwork and equipment
1994	Elf	Kaldnes de Groot	Frøy Topsides	Jacket	Design review, Delivery of HVAC equipment
1994	HMDC	NOC	Hibernia Field Development		Delivery of Blast Relief Walls and Louvres Fans
1994	Norsk Hydro	Kværner Rosenberg A/S	Troll Olje	GBS	Delivery of: Columns Dampers, Supply/Extract Devices, EI.heaters, Sound Attenuators, Intake Louvres
1994	Petrobras	FELS	Petrobras XVIII, Hull & Living Quarters	Semisub GVA 5000	Design/Engineering, Delivery of all HVAC equipment, Commissioning
1994	Shell	Aker Stord	Troll Phase I, Main Deck		Shop engineering, prefab. Of ducts/supports/penetr. And installation of the complete HVAC system
1994	Shell UK	SLP	Brent Bravo		Delivery of Blast Relief Louvres
1994	Statoil	Kværner Engineering A/S	Sleipner Vest, SLT		Delivery of Prefabricated Cassette Walls
1994	Statoil	Norwegian Rig Consultants A/S	Sleipner Vest, SLB		Delivery of Prefab. Cassette Walls
1993	Conoco	Conoco Kværner	Heidrun Field Development		Delivery of: Blast Relief Walls and Louvres, Air Handling Units and Fans, Sound Attenuators, Air Terminal Units and Air Displacement Units
1993	Conoco	Marine HVAC	Heidrun Field Development		Delivery of: Blast Relief Walls and Louvres, Air Handling Units and Fans, Sound Attenuators, Air Terminal Units and Air Displacement Units
1993	Conoco	Norwegian Contractors	Heidrun Field Development		Delivery of: Blast Relief Walls and Louvres, Air Handling Units and Fans, Sound Attenuators, Air Terminal Units and Air Displacement Units
1993	Conoco	Norwegian Rig Consultants A/S	Heidrun Field Development		Delivery of: Blast Relief Walls and Louvres, Air Handling Units and Fans, Sound Attenuators, Air Terminal Units and Air Displacement Units
1993	Norsk Hydro	Westamarin	Brage Living Quarter		Design/Engineering, Delivery of all HVAC equipment
1993	Shell UK	Leirvik Sveis	Nelson Project, Living Quarter		Design/Engineering, Delivery of all HVAC equipment, Installation/Commissioning

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1993	Total	McDermott Singapore	Bongkot Field Dev., Living Quarter, Jacket Platform, Production Platform		Design/Engineering, Delivery of all HVAC equipment, Commissioning
1992	Marathon	Marathon	East Brae Field		Delivery of H-O Fire Rated Blast Relief Walls
1992	Norsk Hydro	Haugesund Mekaniske Verksted	Brage Production Module M10		Shop engineering, prefab. Of ducts and installation
1992	Norsk Hydro	Norsk Hydro	Brage		Delivery of Louvred Walls, Dampers
1992	Shell	Rosenberg Verft	Draugen Topsides Living Quarter		Shop engineering, prefab. Of ducts and installation
1992	Statoil	Leirvik Sveis	Statfjord C, Modification (EPC)		Design/Engineering, Delivery of all HVAC equipment, Installation/Commissioning
1992	Statoil	Statoil, Leirvik Sveis, Westamarin	Sleipner A, Living Quarter (EPC), Helihangar		Design/Engineering, Delivery of all HVAC equipment
1991	Norsk Hydro	KMV/Westamarin	Oseberg 2, Living Quarter (EPC)		Design/Engineering, Delivery of all HVAC equipment, Installation/Commissioning
1991	QGPC	Sembawang Engineering Ltd.	PS-1/PS-2/PS-3, Living Quarter	Jacket	Design/Engineering, Delivery of all HVAC equipment, Commissioning
1991	QGPC	Sembawang Engineering Ltd.	QGPC North Field, Living Quarter	Jacket	Design/Engineering, Delivery of all HVAC equipment, Commissioning
1991	Saga	Leirvik Sveis, Aker Verdal	Snorre Living Quarter (EPC), Drilling Module W07	TLP	Design/Engineering, Delivery of all HVAC equipment
1991	Statoil	Aker Verdal	Sleipner A, Module Support Frame, COP	GBS	Shop engineering, prefabrication of ducts and installation
1991	Statoil	Statoil, Kaldnes de Groot	Sleipner A, Module M21	GBS	Shop engineering, prefabrication of ducts and installation
1990	Saga	Saga	Snorre		Delivery of El. Batteries, Grilles, Diffusors and Registers
1990	Shell	Shell	Draugen		Delivery of: Air Handling Units, Fans, Dampers, Louvres, Explosion Relief Panels
1989	Norsk Hydro	Norsk Hydro	Oseberg 2	Jacket	Delivery of: Dampers, Fans, Coils, Living Quarters HVAC Engineering, Equipment, Installation, Commissioning
1989	Statoil	Statoil/MRV	Veslefrikk EP	Semi-sub	Design/Engineering, Delivery of all HVAC equipment
1989	Norsk Hydro	Leirvik Sveis	Oseberg A – Felt senter	GBS	Delivery of: Dampers, Fans, Coils, Living Quarters HVAC Engineering, Equipment, Installation, Commissioning

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1988	BP	BP	Gyda		Delivery of: Dampers, Fans, Air Handling Units, Louvres, Sound Attenuators, Living Quarter HVAC Engineering, Equipment, Installation, Commissioning
1987	ADNOC	Daewoo	Upper Zakum Living Quarter HVAC		Design/Engineering, Delivery of all HVAC equipment
1987	Sun Oil	Sun Oil	Balmoral		Design/Engineering, Delivery of all HVAC equipment
1986	Smedvig	Daewoo	West Vision Drilling Rig (Veslefrikk)	Semi-sub	Design/Engineering, Delivery of all HVAC equipment
1986	Total	Total	Alwyn North, Living Quarter HVAC	Jacket	Design/Engineering, Delivery of all HVAC equipment
1982	Smedvig	Trosvik Verksted	Yard no. 133, West Vanguard	Bingo 3000	Design/Engineering, Delivery of all HVAC equipment, Commissioning
1982	Smedvig	Kaldnes Mek. Verksted	Yard no. 219, Ross Isle	Bingo 3000	Design/Engineering, Delivery of all HVAC equipment, Commissioning
1982	Zadco	Zadco	Zakum, Service modul HVAC		Design/Engineering, Delivery of all HVAC equipment
1980-88	Statoil	Several Yards	Gulfaks "A", "B" and "C"	GBS	Delivery: Dampers, Air Handling Units, Modules, Living Quarters, MSF Engineering, Equipment, Installation, Hook-up, Commissioning
1975-80	Statoil	Several Yards	Statfjord "A", "B" and "C"	GBS	Delivery: Dampers, Air Handling Units, Modules, Living Quarters, Equipment, Installation, Hook-up, Commissioning