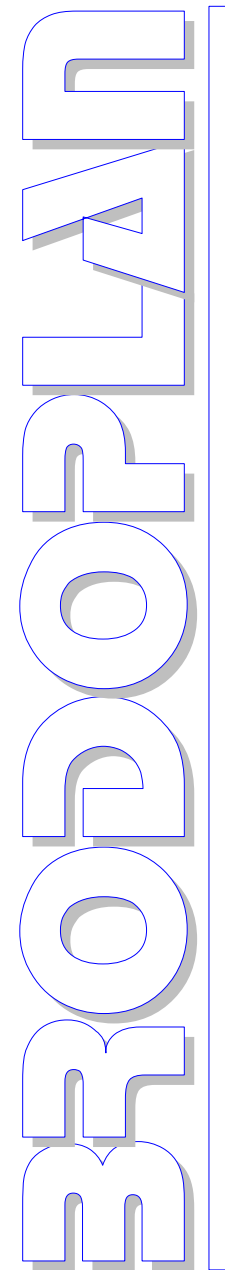


In the period from 1998 to 2022 Brodoplan has participated the MACHINERY/HVAC/OUTFITTING basic and detail design of the below projects:

YEAR	PROJECT	COMMISSION
1998	Ro-ro passenger ferry for Cotunav at Fosen Mek. Verksteder, Norway	HVAC detail design of garage and all passenger cabin and public areas
1998	Ro-ro ferry for Bore at Finnyards, Finland	3D model of machinery spaces outside engine room, piping and structure detail design / production documentation
1998	Cruise ship for Costa Crociere at Kvaerner Massa Helsinki New Shipyard, Finland	Site assistance – machinery basic design and HVAC diagrams
1998	Cruise ship for Costa Crociere at Kvaerner Massa Helsinki New Shipyard, Finland	3D model of engine room, piping and structure detail design / production documentation
1998	Handy size ferry for Strintzis Line, Greece	Basic design, machinery and HVAC diagrams
1999	Fast ferry for Strintzis Line at Hellenic shipyard, Greece	Basic design, machinery and HVAC diagrams, deck outfitting arrangements
1999	Project America cruise ship at Litton Ingalls Shipbuilding, USA	3D model of fore machinery spaces, piping and structure detail design / production documentation
1999	Container vessel CMA DJAKARTA at Viktor Lenac, Croatia	Basic and detail design / vessel major modification
2000	Ro-ro passenger ferry for Superfast at HDW, Germany	Basic design – machinery and HVAC diagrams (site assistance)
2000	Ro-ro passenger ferry for Superfast at Flender Werft, Germany	3D model of garage area, piping and structure detail design / production documentation
2000	Cruise ship at Aker MTW, Germany	3D model of passenger cabins areas, HVAC and piping detail design / production documentation
2001	Cruise ship at Aker MTW, Germany	3D model of passenger public areas, HVAC and piping detail design / production documentation
2001	Ro-ro passenger ferry for Northlink, at Aker Finnyards, Finland	3D model of garage area, piping and structure detail design / production documentation
2002	Tug at Viktor Lenac shipyard, Croatia	3D model, piping and structure detail design / production documentation
2002	Ro-ro passenger ferry at Van der Giessen de Noord, Netherlands	3D model, HVAC detail design / production documentation (site assistance for Stork Bronswerk)
2002	Crane vessel Maxita at Sembawang shipyard, Singapore	3D model, piping and structure detail design / production documentation (site assistance)
2003	WTC business and shopping centre POLICENTRO, Croatia	Fire extinguishing system installation (sprinkler)
2003	Pipe laying barge JASCON-5 at Sembawang shipyard, Singapore	3D model, piping and structure detail design / production documentation (site assistance)



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YEAR	PROJECT	COMMISSION
2003	m/v "NORNEN" – Patrol boat conversion to Luxury yacht	Basic design – HVAC diagrams
2003	Cruise ship for Birka at Aker Finnyards, Finland	3D model, piping and structure detail design / production documentation
2003/04	Oceanografic research vessel "POURQUOI PAS?" at Chantiers de l'Atlantique	3D model of all machinery spaces, piping, vent, cable and structure detail design / production documentation
2003/04	Tanker 30,000 dwt at PT-PAL, Indonesia	3D model of engine room and accommodation areas, piping, vent, cable and structure detail design / production documentation
2004	Cruise vessel for MSC at Chantiers de l'Atlantique, France	Basic design – Machinery diagrams
2004/05	Coastal ferry at Kraljevica Shipyard, Croatia	3D model of accommodation areas, HVAC and piping basic and detail design / production documentation
2004/05	Cruise vessel for MSC at Chantiers de l'Atlantique, France	3D model of fore machinery spaces, piping, vent, cable and structure detail design / production documentation
2005	ITB barge for USSLLC, USA	Basic and detail design of tug / barge major modifications
2005	RRM supply vessel UT 514 L, Rosetti shipyard, Italy	3D model of accommodation areas, HVAC and piping detail design / production documentation
2005	RRM supply vessel UT 755 L, Cochin shipyard, India	3D model of machinery and cargo area, piping detail design / production documentation
2005	RRM supply vessel , P02-7237-ICE	3D model of machinery area below main deck, piping detail design / production documentation
2005	RRM supply vessel , P04-7255-PROMAR 17	3D model of accommodation areas, HVAC and piping detail design / production documentation
2005	RRM supply vessel , P00-7157-Asso Ventiquattro	Upgrading to Fi-Fi 2, coordination and installation drawings
2005	RRM supply vessel , P04-7143-Zamakona	3D model of machinery areas, piping detail design / production documentation
2005	RRM supply vessel , P05-7136-RRM UT 712	3D model of Stern thruster room, Steering gear room & Tanks, piping detail design / production documentation
2005	MV TALDA IMO No.7010509 – Transeuropa, Slovenia	Water mist system
2005	ROPAX Logos Hope – Shipyard Brodotrogir, Croatia	Hull outfitting & Machinery basic design for conversion
2005/06	ROPAX Vessel for Aker Finnyards NB 1356	3D model of garage area, piping and structure detail design / production documentation
2005/06	RRM supply vessel , P05-7250-RRM UT 755 L, Havyard shipyard, Norway	3D model of machinery and cargo area, piping detail design / production documentation

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YEAR	PROJECT	COMMISSION
2006	RRM supply vessel, P04-7291-RRM UT 732 CD, Langsten shipyard, Norway	3D model of cargo area, piping detail design / production documentation
2006	Cruise vessel for MSC at Chantiers de l'Atlantique, France	3D model of fore machinery spaces, piping, vent, cable and structure detail design / production documentation
2006	RO-RO Airbus, Singapore Technology Marine shipyard	Machinery and Outfitting basic design
2006	Color Line Super Speed-Project, Aker Finnyards, Finland	3D model of engine room, piping, vent, cable and structure detail design / production documentation
2006/07	Hoegh Autoliners-Horizon class at Vinasin, Vietnam,	Machinery basic design, 3D model of engine room, piping, vent, cable and structure pre-coordination / detail design / production documentation
2007	Wight Link Double Ended Ferry at Shipyard Kraljevica, Croatia	Machinery, HVAC and Deck outfitting Basic design, 3D model of machinery and accommodation areas, piping, vent, cable and structure detail design / production documentation
2007	COSCO Heavy Lift Vessel at CSI Shipyard, China	Machinery and Piping Basic Design
2007	Cruise vessel for NCL (C33) at Aker Yards SA, France	3D model of fore machinery spaces, piping, vent, cable and structure detail design / production documentation
2008/10	Passenger Container vessel for Desgagnes at shipyard Kraljevica, Croatia	Machinery, HVAC and Deck outfitting Basic design, 3D model of machinery and accommodation areas, piping, vent, cable and structure detail design / production documentation
2009	P&O ferries at STX Finland	3D model of engine room, piping, vent, cable and structure detail design / production documentation
2009/10	Pieter Schelte - vessel for installation and removal of large offshore oil and gas platforms, and installation of offshore oil and gas pipelines	3D piping, vent, cable and structure 3-D model
2010/11	RRM supply vessel, P09-7128- UT 755 L3X	3D model of machinery, cargo and accommodation areas, piping detail design / production documentation
2010/11	RRM supply vessel, P10-7122- UT 776 CDG	Deck outfitting extended basic / detail design documentation
2010/11	Navis Consult / RRM VEGAYACHT	Machinery and Piping Basic Design
2010/11	Conversion of RoPax "Marko Polo" for Jadrolinija at Viktor Lenac shipyard, Croatia	Basic design, 3D model of sponson areas, piping and structure detail design / production documentation

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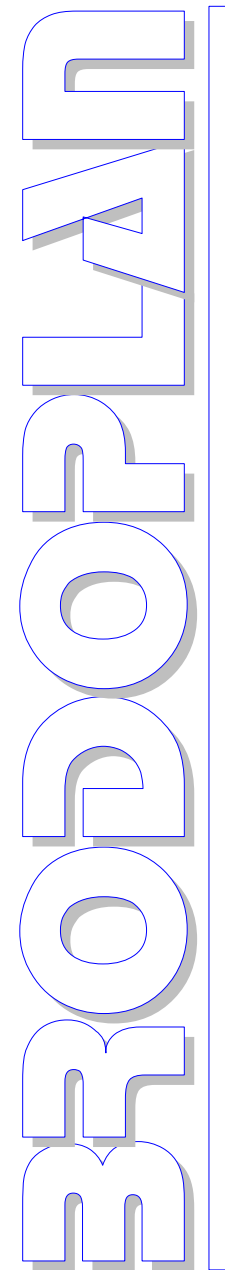
In the period from 1998 to 2022 Brodoplan has participated the MACHINERY/HVAC/OUTFITTING basic and detail design of the below projects:

YEAR	PROJECT	COMMISSION
2011	Navis Consult / RRM Supply Vessel P08-7106 UT 755 CD	3D model of machinery, cargo and accommodation areas, piping detail design / production documentation
2011	Deltamarin standard bulk carrier project B Delta 37	3D model of machinery, cargo and accommodation areas
2011	Navis Consult / RRM VEGAYACHT	Machinery and Piping Basic Design
2011/12	Cruise vessel for HAPAG LLOYD (H33) at STX, France	3D model of fore machinery spaces, piping, vent, cable and structure detail design / production documentation
2012	Navis Consult / RRM Bunker barge P09-01819 at Navegacao Sao Miguel shipyard, Brasil	Machinery and Piping Basic Design
2012/13	Navis Consult / RRM LNG Forrage carrier P304 – P10-03366	Deck outfitting Basic Design
2012/13	Navis Consult / RRM UT 755 CDS Buoy Tender P308 – P10 - 7152	Deck outfitting Basic Design Hull Basic Extended Design
2012/13	Navis Consult / RRM multipurpose vessel P09-02705 NORLINES at TSUI shipyard, China	3D model of machinery, cargo and accommodation areas, piping detail design / production documentation
2012/14	Navis Consult / RRM P11-02458 VEGAYACHT at KUSCH shipyard, Germany	Machinery and Piping Basic Design 3D model of machinery, cargo and accommodation areas, piping detail design / production documentation
2013/14	Cruise vessel for RCCL (A34) at STX, France	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2013/14	Gosport ferry at Tehnomont shipyard Pula, Croatia	Machinery and Piping Basic Design 3D model of machinery and accommodation areas, piping detail design / production documentation
2014/15	Cruise vessel C6226 at Fincantieri, Italy	Machinery Basic Design
2014/15	Cruise vessel C6226 at Fincantieri, Italy	HVAC Basic Design
2014/15	US Mount Whitney at shipyard Viktor Lenac, Croatia	Conversion detail engineering / production documentation

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YEAR	PROJECT	COMMISSION
2015	P_1119 Cruise vessel for MSC (E34) at STX, France	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2015/16	P_1123 Livestock Carrier at Uljanik Shipyard, Croatia	Machinery and Piping Basic Design 3D model of machinery, cargo and accommodation areas, piping detail design / production documentation
2016	P_1124 Research Vessel for Institute Rudjer Boskovic, Croatia	Concept design
2016/17	P_1127 Cruise vessel for RCCL (J34) at STX, France	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2017	P_1131 Mols Ro-Pax Ferry at RMC, Finland	3D model of machinery spaces, piping, vent, cable and structure detail design / production documentation
2017	P_1132 Cruise vessel for MSC (F34) at STX, France	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2017	P_1132 Cruise vessel for MSC (G34) at STX, France	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2018	P_1136 Cruise vessel for NCL (H.6298)at Fincantieri, Italy	Machinery basic design
2018/20	P_1139 Cruise vessel Global 1 at MV Werften, Germany	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2018/19	P_1142 77m Luxury yacht "Black Shark" at Nobiskrug", Germany	Machinery and Piping Basic Design 3D model of machinery and piping detail design / production documentation
2018/19	P_1143 62m Luxury yacht "Cap d'Ail" at Nobiskrug", Germany	Machinery and Piping Basic Design 3D model of machinery and piping detail design / production documentation
2018/20	P_1146 Cruise vessel for Oceania Cruises (H.6308) at Fincantieri, Italy	Machinery basic design
2019-20	P_1147 Cruise vessel Global 2 at MV Werften, Germany	3D model of aux machinery spaces, piping, vent, cable and structure detail design / production documentation
2019/20	P_1149 Cruise vessel for Celebrity (L34) at Chantiers de l'Atlantique, France	3D model of aux machinery spaces piping, vent, cable and structure detail design / production documentation



In the period from 1998 to 2022 Brodoplan has participated the **MACHINERY/HVAC/OUTFITTING** basic and detail design of the below projects:

YEAR	PROJECT	COMMISSION
2019/21 In work	P_1150 Cruise vessel for MSC (W34) at Chantiers de l'Atlantique, France	3D model of aux machinery spaces piping, vent, cable and structure detail design / production documentation
2019/20	P_1151 Wassa Line Ro-Pax vessel at RMC, Finland	Machinery and Piping Basic Design 3D model of machinery and piping detail design / production documentation
2019/20	P_1153 Talink Ro.Pax vessel at RMC, Finland	Machinery and Piping Basic Design 3D model of machinery and piping detail design / production documentation
2019/21	P_1155 Cruise vessel for MSC (H.6319) at Fincantieri, Italy	Machinery basic design
2020/21	P_1157 Cruise vessel for MSC (V34) at Chantiers de l'Atlantique, France	3D model of aux machinery spaces piping, vent, cable and structure detail design / production documentation
2020/21	P_1158 Trawler fishing boat at Tehnomont, Croatia	3D machinery and HVAC model partly basic and complete detail design
2021/23 In work	P_1164 Cruise vessel for Ritz Carlton (J35) at Chantiers de l'Atlantique, France	3D model of machinery spaces piping, vent, cable and structure detail design / production documentation
2022	P_1165 Cruise vessel for RCCL (A35) at Chantiers de l'Atlantique, France	3D model of machinery spaces piping, vent, cable and structure detail design / production documentation
2022	P_1166 High speed project for Metal Shark	3D model machinery and outfitting production documentation
2022 In work	P_1171 Fire Fighting boat at Tehnomont, Croatia	3D model machinery and outfitting detail design / production documentation

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