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# MARINE AIR CONDITIONING PROJECTS

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Icon of the Seas, Meyer Turku Shipyard

| Project | | Shipowner / Shipyard | Year |
|---|---|---|---|
| **Icon-class:**<br>Icon 4<br>Legend of the Seas<br>Star of the Seas<br>Icon of the Seas | HVAC equipment delivery | RCCL /<br>Meyer Turku Shipyard | 2024 - 2027 |
| **Excellence-class:**<br>Carnival Tropicale<br>Carnval Festivale<br>Carnival Jubilee<br>P&O Arvia<br>Carnival Celebration<br>Costa Toscana<br>AIDAcosma<br>Carnival Mardi Gras<br>P&O Iona<br>Costa Smeralda<br>AIDAnova | Cabin control system | Carnival Corporation /<br>Meyer Werft Papenburg<br>& Meyer Turku | 2018 - 2028 |
| Patrol Vessel OPV NB 1406<br>Patrol Vessel OPV NB 1407 | HVAC system with automation | Finnish Coast Guard /<br>Meyer Turku Shipyard | 2025 - 2026 |
| Exploration Cruise Vessel Ilma<br>Exploration Cruise Vessel Luminara | HVAC equipment delivery | The Ritz-Carlton /<br>Chantiers de l`Atlantique | 2024 - 2025 |
| Spirit of Tasmania IV<br>Spirit of Tasmania V | HVAC turnkey delivery, Cargo and machinery ventilation, Automation | TT-Lines /<br>Rauma Marine Construction | 2024 - 2025 |
| **Oasis-Class:**<br>Oasis 7<br>Utopia of the Seas<br>Wonder of the Seas<br>Symphony of the Seas<br>Harmony of the Seas<br>Allure of the Seas<br>Oasis of the Seas | HVAC system, HVAC Automation for Oasis and Allure | RCCL /<br>Chantiers de l`Atlantique<br>& STX Finland Turku (Oasis, Allure) | 2016 - 2027<br><br>2009 - 2010 |
| TUI Mein Schiff 7<br>TUI Mein Schiff 2<br>TUI Mein Schiff 1<br>TUI Mein Schiff 6<br>TUI Mein Schiff 5 | HVAC system, Machinery fans | TUI Cruises /<br>Meyer Turku Shipyard | 2016 - 2024 |
| Expedition Cruise Vessel SH Diana<br>Expedition Cruise Vessel SH Vega<br>Expedition Cruise Vessel SH Minerva | HVAC turnkey delivery, Machinery fans, Automation | Swan Hellenic Cruises /<br>Helsinki Shipyard | 2021 - 2023 |
| Silversea Silver Nova<br>Silversea Silver Ray | Cabin Fancoils | RCG, Silversea /<br>Meyer Werft GmbH Papenburg | 2022 - 2023 |
| Tallink MyStar | HVAC turnkey delivery, Cargo and machinery ventilation, Automation | Tallink Group /<br>Rauma Marine Construction | 2022 |



Wonder of the Seas, Chantiers de l`Atlantique

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 · ISO 14001
ISO 45001 · ISO 50001

| Project | | Client | Year |
|---|---|---|---|
| Wasaline Aurora Botnia | HVAC turnkey delivery, Cargo and machinery ventilation, Automation | Wasaline / Rauma Marine Construction | 2021 |
| Global Dream | HVAC system | Disney Cruises / MV Werften Wismar | 2021 - 2025 |
| Odyssey of the Seas<br>Spectrum of the Seas | AHUs and fancoils | RCG / Meyer Werft GmbH Papenburg | 2019 - 2020 |
| M/S Hammershus | HVAC system with automation | Mols-Linien / Rauma Marine Constructions | 2018 |
| Tallink Megastar | HVAC system with automation | Tallink Group / Meyer Turku Shipyard | 2017 |
| **Quantum Class:**<br>Ovation of the Seas<br>Anthem of the Seas<br>Quantum of the Seas | HVAC system | RCCL / Meyer Werft GmbH Papenburg | 2014 - 2016 |
| Offshore Patrol Vessel RP1385 | HVAC turnkey delivery with automation | The Finnish Boarder Guard / STX Finland Rauma | 2013 |
| Multifunctional Icebreaking Supply Vessel Vitus Bering<br>Multifunctional Icebreaking Supply Vessel Aleksey Chirikov | HVAC system with automation | Sovcomflot / Arctech Helsinki Shipyard Oy | 2012 - 2013 |
| Passenger Cruise Ferry Viking Grace | HVAC system with automation | Viking Lines / STX Finland Turku | 2013 |
| AIDAstella | HVAC equipment delivery | Aida Cruises / Meyer Werft GmbH Papenburg | 2013 |
| Polar Supply and Research Vessel S.A. Agulhas II | HVAC system with automation | South African Department of Environmental Affairs / STX Finland Rauma | 2012 |
| Blue Patmos<br>Blue Delos | HVAC system with automation | Blue Star Ferries / DSME Daewoo Shipbuilding & Marine Engineering | 2011 - 2012 |
| SuperSpeed Ferry 1 | Conversion, Turnkey delivery | Color line / STX Finland Helsinki | 2011 |
| Oscar Wilde (prev. Ro-Pax Car Ferry Spirit of Britain)<br>Ro-Pax Car Ferry Spirit of France | HVAC turnkey delivery, Cargo and machinery ventilation with automation | P&O Ferries / STX Finland Rauma | 2010 - 2011 |
| M/S Armorique | HVAC turnkey delivery, Cargo and machinery ventilation with automation | Brittany Ferries / STX Finland Helsinki | 2008 |
| M/S Galaxy<br>M/S Baltic Princess<br>M/S Baltic Queen | HVAC turnkey delivery, Cargo and machinery ventilation with automation | Tallink Group / STX Finland Helsinki/Rauma | 2006, 2008, 2009 |



Quantum of the Seas, Ovation of the Seas and Spectrum of the Seas, Meyer Werft GmbH

| Project | | Client | Year |
|---|---|---|---|
| SuperSpeed Ferry 1<br>SuperSpeed Ferry 2 | HVAC turnkey delivery, Cargo and machinery ventilation with automation | Color Line /<br>STX Finland Turku | 2007 |
| Tallink Star, Fast Ferry | HVAC turnkey delivery, Cargo and machinery ventilation with automation | Tallink Group /<br>STX Finland Helsinki | 2007 |
| M/S Color Magic Passenger Cruise Ferry | System delivery with automation | Color Line /<br>STX Finland Turku | 2007 |
| **Freedom-class:**<br>Independence of the Seas<br>Liberty of the Seas<br>Freedom of the Seas | HVAC system delivery with cabin automation | RCCL /<br>STX Finland Turku | 2006 - 2008 |
| Finnswan (prev. Ro-Pax Vessel Nordlink)<br>Ro-Pax Vessel Europalink<br>Ro-Pax Vessel Finnlady<br>Ro-Pax Vessel Finnmaid<br>Ro-Pax Vessel Finnstar | System delivery with automation | Finnlines /<br>Fincantieri | 2005 - 2007 |
| Containerships Arctic | Air conditioning system, Cargo ventilation | AOY MMC Norilsk Nickel /<br>STX Finland Helsinki | 2006 |
| Côte des Flandres (prev. SeaFrance Berlioz) | System delivery with automation | SeaFrance / Chantiers de l`Atlantique | 2005 |
| Enchantment of the Seas, Lengthening | Air conditioning systems | RCCL /<br>STX Finland Turku | 2005 |
| DeAZ/S Carnival Miracle | System delivery | Carnival Cruise Lines /<br>STX Finland Helsinki | 2004 |
| Tallink Victoria 1 | AC rooms, Turnkey delivery, System delivery | Tallink Group / STX Finland | 2004 |
| M/S Color Fantasy Passenger Cruise Vessel | Cargo hold and machinery ventilation systems | Color Line /<br>STX Finland Turku | 2004 |
| Adora Mediterranea (prev. M/S Costa Mediterranea) | System delivery | Costa Crociere S.P.A. / STX Finland Helsinki | 2003 |
| **Voyager Class:**<br>M/S Mariner of the Seas<br>M/S Navigator of the Seas | HVAC system with automation | RCCL /<br>STX Finland Turku | 2002 - 2003 |
| DeAZ/S Carnival Legend | System delivery | Carnival Cruise Lines /<br>STX Finland Helsinki | 2002 |
| DeAZ/S Carnival Spirit | System delivery | Carnival Cruise Lines /<br>STX Finland Helsinki | 2001 |