

# Electrical Engineering

EFFECTIVE SOLUTIONS BASED ON REAL EXPERIENCE

Our electrical engineering is based on decades of hands-on ship building experience. We create innovative, effective solutions that are easy to install and that work in real life.



## Systems Design

- Power system design
  - Battery, hybrid, diesel-electric and diesel-mechanic systems
  - Operational optimisation
  - Load calculations and analysis
  - Fault currency and discrimination analysis
- System integration and interfacing
- Class and authority approval
- Arrangement of electrical components
- Electrical installation design
- Safety systems
  - PA, intercom, fire alarm and CCTV
  - Alarm column and signalling
  - Safe Return to Port
- Automation and control systems
- Navigation & communication systems
- Computer network systems
- Fiber network solutions
- Product Engineering
  - Switchboard design
  - Shore power and shore connection solutions

## Consultancy Services

- Ship design support for new designs and for conversions
- On-site supervision
- Retrofit and upgrading solutions

## Key Benefits

- Independent system integrator - build your ship systems based on free choice of products and equipment
- Installation friendly solutions based on real ship building experience - reduce complexity and save cost
- One integrator with broad supplier network and access to state of the art products and competence
- High flexibility - we engineer the tailor-made solutions you need

