



COMPANY PROFILE

MARINE | OFFSHORE | ELECTRICAL ENGINEERING

Your go-to ally to innovate solutions and implement success across the global maritime and offshore industry.

Marine Electrical, Automation & Control • Naval Architecture • Offshore Engineering • Future Technology Solutions



About Integri

Integri is a marine engineering group built by class surveyors, marine engineers and naval architects, delivering electrical, automation and energy-efficiency solutions to the global shipping and offshore industry. Operating from seven strategic locations across Asia, the Middle East and Europe, Integri partners with owners, operators and shipyards to engineer, supply and support turnkey solutions from concept through to commissioning.

The Company Operates Across Three Verticals

01

Products

Manufacturing of shore power systems, emission monitoring systems, energy-saving devices and AI-CCTV solutions, including engine room fire prediction.

02

R & D

A dedicated research and development department developing target products and offering a high degree of customisation to clients.

03

Projects

Major and minor retrofit projects onboard ship or in shipyard, such as scrubber, BWTS and air-lubrication system retrofits, vessel conversions and services.

Global Presence

7 strategic locations across continents



- Mumbai, India
- Chennai, India
- Dubai, UAE
- Rotterdam, Netherlands
- Hamburg, Germany
- Copenhagen, Denmark
- Singapore

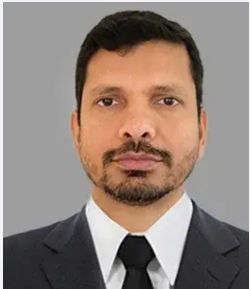
Core Expertise

- Marine electrical systems & automation
- Shore power solutions
- Energy-saving devices & retrofit engineering
- VFD, IoT and AI-backed CCTV / fire prediction systems
- Naval architecture solutions
- Authorised distributor — Duct & PBCF
- Ballast Water Treatment System (BWTS) solutions

A Team of Class Surveyors, Marine Engineers, PLC Designers, AI & Automation Engineers, Naval Architects, Data Scientists and Hydraulics Experts.

Senior Management & Core Technical Team

Meet the team of directors and technical leaders driving innovation and excellence across Integri Group.



Mr. Tarun Kumar
Managing Director

Integri Group



Mr. Bhupesh Tater
Director (Project &
Defence)

Integri Group



Mr. Rajeev Kumar
Director (Operational)

Integri Group



Mr. D. Leo
Director (R&D)

Integri Group



Mr. Pankaj Pandey
Director (Operational)

Integri Group



Mr. D. Nagasamy
Head R&D

Integri Group

Our Team & Technical Expertise

A multidisciplinary in-house team spanning class survey, naval architecture, research and advanced engineering.

- Ex Head of Statutory–Class Surveyor; Ex New Construction & Marine Type Approval Expert
- Ex Technical Managers, Project Managers & Chief Engineers
- Senior scientists with an IIT Chennai background
- CFD & FEA and mechatronics research scholars — our own established in-house lab
- PLC designers
- Design, Electrical & Automation lead engineers, Naval Architects and draftsmen — with ex-shipyard leadership experience
- 3D scanning team

Backed by an established in-house CFD, FEA and mechatronics research lab.

Products — Shore Power & ESD Solutions

AMP (Shore Power) Solutions

Own design and manufacturing for ship and port/terminal. 140+ shore power installations delivered with commissioning across major ports and terminals, including all major California ports. Mobile and fixed cable management systems for terminals.

AI-Embedded CCTV, RADAR & LiDAR Monitoring

Automated monitoring solution for fire prediction, safety, security and procedural efficiency enhancement on ship and port.

Energy saving device based on Power Quality Assessment & Mitigation

Energy saving -5% estimated ship service power ,Analyses harmonic distortion and voltage/current anomalies, restores waveform integrity across the shipboard power architecture, reducing system-wide losses.

CEMS — Continuous Exhaust Gas Monitoring

Savings by accurate carbon accounting ,Online monitoring of CO₂, SO₂, NO_x, N₂O, CH₄, NH₃, CO and more, aligned to MEPC.395(82) SEEMP guidelines and EU MRV Regulation 2015/757 (Method D).

VFD installation –Energy saving devices

VFDs for onboard motors with centralised PLC control, delivering power savings through customised solutions with an excellent ROI.



AMP Shore Power — On the Port



In-house design & manufacturing

Products — Smart Port & Sustainability Solutions

STS Operation & Smart Berthing Guidance System

An IoT-based docking aid system enhancing maritime berthing operations with real-time data processing — improved accuracy, safety and efficiency, customisable to port requirements.

Smart Buoy — Automated Tide & Weather Observation Network

Real-time meteorological and oceanographic measurement combining IALA-compliant moored buoys with land-based stations to collect atmospheric and oceanic data.

Electric Heater Solutions

Design and manufacturing of electric heaters with Incoloy / SS316L heating elements and efficient power control, enabling the steam boiler to be stopped at anchorage and in port.

VAWT — Vertical Axis Wind Turbine

A modular turbine solution harnessing green energy — a strong ROI business case candidate.



Smart Buoy — Automated Tide & Weather Observation Network

Services

01

Design & Retrofit Engineering

Air lubrication systems, shaft generators, wind sails/wings & Flettner rotors, bulbous bow & propeller modification, scrubber and BWTS retrofits, plus structural/electrical installation and modification — with full project management.

02

Naval Architecture Design

Inclining tests, intact & damage stability calculations, and structural conversions including DP1 to DP2, supported by DP2 plotting software.

03

CFD & FEA Analysis

Techno-commercial feasibility studies and sea trial execution for energy-saving devices, establishing benefit and revised power-speed curves.

04

Drawings & Class Approval Support

Preparation of all ship drawings and plans, with assistance through the class approval process.

05

Stability & Inclining Experiments

Intact and damage stability calculations, inclining experiments and new stability booklet preparation.

06

Pre-Purchase Inspection & Site Supervision

Technical inspection and new build site supervision support from contract through delivery.

Patents & Innovation

Proprietary technology conceived, engineered and patented in-house.

■ **Shore Power Solutions (AMP)**

For ship & port/terminal applications.

■ **Continuous Exhaust Gas Monitoring System (CEMS)**

Full mandatory GHG gas spectrum covered.

■ **Smart Berthing Guidance System**

IoT-based docking aid for safer, more efficient berthing.

■ **Smart Buoy**

The Automated Tide and Weather Observation Network.

■ **FWG — Fresh Water Generator**

Capable of generating fresh water from seawater at room temperature.



Let's Build Success Together

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