

# PETRIK NAVAL

## PRODUCT LINE

Petrik Naval supplies integrates and commissions a wide range of marine automation systems to make sure the proper compliance with the actual regulations. Actually the marine management is strongly controlled by class, flag, port state and vetting surveys that makes imprescindible the correct compliance with the regulations and local market requirements. Our relation with the manufacturers are very strong to ensure the best possible after sale support and cost efficiency. Petrik Naval is partner with Brannstrom, Rivertrace Engineering, Krohne, Endress+Hausser, Rongde, Pro-Face, Deif, Gac, Crowcon, Tyco Minerva, Praxis. We have our own designs using state of the art and tailor made system technologies.

- ALARM, MONITORING AND CONTROL SYSTEM
- POWER PLANT MANAGEMENT SYSTEM
- INDUSTRIAL AUTOMATION
- OIL DISCHARGE MONITORING SYSTEM ( ODME )
- OIL CONTENT METER
- GAS DETECTOR SYSTEM
- ULLAGE TEMPERATURE INTERFACES
- CARGO MANAGEMENT SYSTEM
- MASS FLOW METER ( CORIOLIS )
- FIRE DETECTION AND ALARM SYSTEMS
- PRESSURE SENSORS
- TEMPERATURE SENSORS
- GAS SENSORS
- VACUUM PUMPS
- ALARM SYSTEM COMPUTERS
- SHORE BASED APPLICATIONS

## MARINE SYSTEM DEVELOPMENT

### INSTALLATION

We are able to integrate while seagoing which guarantees the minimum down time. Our systems are modular, we integrate one part of the process management system while the other parts are managed by the old system. The step by step integration gives the opportunity to debug

and fix all possible sensor problems. We provide a complete sensors revision and verification while new system is integrated.

## COMMISSIONING & TRAINING

Our systems don't need any special training. We develop one key access and intuitive systems that matches all kind of staff. The integration of the state of art touch screen systems provides easy and intuitive way of usage. You just touch the screen and get the online information about all.

## RISK

Our products are certified by the major classification societies. While marine electronics manufacturers come and go, we provide systems based on PLC, HMI, SCADA systems. We can guarantee 10 year project life cycle and spare supply.

Scaleable and expandable

The modular nature of our systems makes them suitable with all kind of projects. You can integrate today one part of your process and next year other part. All that in the same management system. We can integrate almost all the known process management systems.

## STAFF

We have experience and skills to realize all the necessary getting your system full function back with considerable new, modern functions as email the process states, trend the variables on your process, statistics, one view for most important data and more. We offer minimum down time while the new integrations are done.

## EXPERIENCE

We have 10 years of experience with marine refit, retrofit and conversions. Let us replace your old and obsolete, outdated systems with modern, state of the art automation technology. With the control system modernisation you have maintenance and cost reduction. Do you have brand discontinuous projects? We give you long term solutions and upgrades for all.

## HOW WE DO

To make sure all refit installations are a success we follow a procedure consisting of four steps: Our engineers carry out a site survey and prepare a design note. For the proper integration we first need to get the entire process information. That includes sensors type, data management type, redundancy type, control types, wiring distribution and structure.

## WHAT WE CAN OFFER

Most of our systems are ideal for refit/retrofit installation. We would like to mention our previous projects. All of them projected, managed and executed with the maximum dedication caring all the details to ensure the best practices on board.

## DESIGN

After all the necessary data is here, we start the new project development and designs. All the different aspects of the old systems are present and respected. We develop the hardware and the Firmware as a brand new system. The prototype is presented for its evolution by customers technical department.

# MARINE SYSTEM MAINTENANCE

## ELECTRIC REPAIRS

## AUTOMATION REPAIRS

## ELECTRONICS REPAIRS

The Petrik Naval service department is responsible for service work on board of vessels, on-demand system recovering jobs and short repair projects. We provide a comprehensive system trouble shooting and documentation to achieve the best after service practices. Most of the jobs involves study, prepare, recover and documentation works that way we guarantee the proper usage and further minor problems recovery by the crew. If there is some particularities or adaptations are very well described on the service documentation. Our company holds information for every single system that was serviced and the particularities of that project. Petrik Naval is able to turn back and continue projects done 10 years ago. On manner we ensure the after service project support for long time. Petrik Naval counts on the newest analysing methods in the marine automation field such as Power Analysers, Process Calibrators, Hart Communicators, Infrared Imaging, CNC, 3D Printing Devices, Data Loggers, High End Oscilloscopes, Industrial communication tracking devices, Network analysers, Pressure and Temperature Calibrators, Gas pattern cylinders. All that media is available on any project we attend.

Engine Room Automation Equipment  
Boiler Control Systems  
Main Engine Pneumatic Control Systems  
Inert Gas Systems and Inert Gas Generators  
Incinerator Control Systems  
Engine Room Alarm Monitoring Systems  
Fuel Oil Viscosity Control, Viscoserm and Viscosense Systems  
15ppm Bilge Alarm Monitors, Oily Water Separators  
Control Valves & Valve Positioners  
Temperature and Pressure Control Loops  
Engine Oil Mist Detection Systems  
Engine Oil Mist Detection Systems  
Bow Thruster Controls and Steering Gear Systems  
Generator controls, Parallel Operation, Load Sharing and Synchronisation  
Deck Automation Equipment and Systems  
Oil Discharge Monitoring Systems (ODME)  
Fixed Gas Detection Systems and Portable Gas Detectors  
Mechanical Float Type Level Gauging Systems  
Electro-Pneumatic Tank Level Gauging Systems  
Water Ingress Detection Systems and De-Watering Systems

Cargo Pump Bearing Temperature Monitoring Systems  
Vapour Emission Control System  
Cargo Tank Level Gauges, Ballast Tank Level Gauges, Draft Gauges  
Cargo Tank Pressure Monitoring Systems  
Wheelhouse and Accommodation Equipment & Systems  
Bridge Navigation Watch Alarm System (BNWAS)  
Fire Alarm Systems  
Intercoms, Public Address Systems and Telephone Systems  
Miscellaneous Equipment & Systems  
Power Quality Analysis, Load Studies and Energy Assessments  
Air Circuit Breakers and Electrical Control Equipment / Switchgear  
Switchboard Repairs, Testing and Certification  
Flowmeters, Pressure, Level, Temperature & Flow monitoring Equipment & Systems  
Controllers, Recorders, Valve Positioners, Solenoid Valves, Control Valves, Actuators  
Signal Converters, Digital Indicators, Signal Calculators, Universal Transmitters  
Portable Gas Detectors  
Fire Alarm Systems, Fire Detection; Gas Systems, Shutdown Systems  
Custom Alarm Panels  
Control Panel  
Specialised Services  
Thermographic Survey of Electrical Switchgear, Electrical Systems and Components  
Power Plant Analysing

## LABORATORY

To ensure the proper use and situation of the critical systems on board we have created a portable flying laboratory to calibrate the life safety, pollution prevention and measuring pattern equipments on board. Actually we are servicing more than 500 tanker vessels complaint to the IMO SOLAS ISM regulations. We hold secondary laboratory grade equipment to ensure the proper measures of our calibrators and patterns. We calibrate annually our scope patterns approaching the best possible practices in laboratory management.

UTI METERS

ODME

FIXED GAS DETECTORS

PORTABLE GAS DETECTORS

GAS SAMPLING SYSTEMS

OIL CONTENT METER 15PPM ALARM

OILY WATER SEPARATORS

PRESSURE CALIBRATORS

TEMPERATURE CALIBRATORS

TANK RADAR GAUGING SYSTEMS

BALLAST WATER GAUGING SYSTEMS

## MARKETS

Bunker Barges, Crude Oil Tankers, Chemical Tankers, Gas Carriers, Bulk Carriers,  
Container Ship, Reefers, Ferries, Mega Yachts

## CUSTOMERS

Marpetrol Scf, Unicom Scf, Boluda Tankers, Boluda Towage, Rudder Logistics, Frs,  
Naviera Murueta, Petrogas, Mureloil, Torm Shipping, Tsakos Columbia Ship Management,  
Megayachts Llc, Ms Atlantic, Wallem Ship Management, Prime Tanker Management, Ahrenkiel  
Steamship, Bergshav, Pike Solutions, Osm Shipping, Navios Maritime Holding, Bernhard Schulte  
Shipmanagement, Diamond Shipmanagement, Tb Marine, Mediterranea, Maersk Tankers, Vship,  
Seateam Shipmanagement, Nordic American Tankers, Sichem, Uni-Tankers, Sun Enterprises,  
Norbulk Shipping, Prime Marine, Sea Team Management, Seatrade, Diamantis Shipping, Univan,  
Itm, Acciona Trasmediterranea, Mediterranea, Augustadue, Cepsa, Clh, Atlas Marine Services,  
Wallem Shipmanagement, Uniservice, Naviera Elcano, Reederei-Nord, Gt-Ships, Knutsen,  
Synergy Maritime, Knot, Vsl Tankers, Unicorn Shipping, Prime Tanker Management, Blue Marine  
Trading & Engineering, National Navigation Company, Epic Gas

## CERTIFICATIONS

ISO9001:2015

ISO14001:2015

ISO18001:2015

## LOCATIONS

### MAIN OFFICE

Petrik Naval SL  
Crtra Acceso Termica SN, PI Palmones  
Torres de Hercules  
Los Barrios, Cadiz, España  
CP11379

### SERVICE PORTS

Gibraltar, Algeciras, Huelva, Malaga, Santander, Cadiz, Castellon, Valencia, Cartagena,  
Barcelona, Tarragona, La Coruña, Bilbao, Malaga, Rotterdam, Antwerp, Sines, Setubal