

We develop complex and Safety critical Industrial products. The majority of Industrial applications, such as railways, off-highway excavators, Industrial cranes, oil & gas sensors and marine steering systems increasingly rely on a Safety related process design (SIL - Safety Integrity Level), which also takes into account the system's Cybersecurity as a crucial factor.

## APPLICATIONS



### POWER CONVERSION

UPS, Inverters and Motion Control Drivers.



### ENERGY MANAGEMENT

Safety critical production plants, PV-Photovoltaic systems control.



### OHV

Off Road & Excavators, Cranes, Forklifts, Telehandlers.



### RAILWAYS & SUBWAYS

RAMS, Risk Management and Project Verification of electrical power plants.



### HVAC

Heating, Ventilation and Air Conditioning control systems.



### MEDICAL

X-Ray, Sterilization, COVID PCR analysis appliances.



### HOME APPLIANCES

Professional washing machines and Industrial fridges.



## BLUEWIND VALUE

Bluewind provides all the critical foundations of the system development in the Industrial sector, which include: Architecture concepts, Safety Systems & Cybersecurity, Hardware & Wireless Design, Software Technology, AI/ML, and Testing.

## CUSTOMER'S BENEFITS

- One single provider for a full design solution.
- Full compliance with EMC norms and Industrial Safety Standards such as IEC 61508, EN 50126, IEC 60730 and ISO 13849.
- Support in the device architecture definition.
- Academy program on Safety and Cybersecurity.



# KEY EXAMPLES

Marine  
IEC 61508 - SIL 3  
Vessel Steering System

Oil & Gas  
IEC 61508 - SIL 3  
Gas Sensor for Explosive Areas

OHV - Off Highway Vehicles  
ISO 13849 - PL/E  
Vehicle Dashboard

Railway  
IEC 61508 / EN 50126 - SIL 2  
RAMS, Risk Management & Validation of  
Electric Power Traction Distribution Subsystem



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