Defence &
Test Benches

High tech custom solutions

DEFENCE
Devices for:
• Integration
• Test and validation
• Simulation

AUTOMOTIVE, AVIO, OIL&GAS
Test Benches:
• Characterization test benches.
• Burst test benches.
• Duration test benches.
• Volumetric test benches.
• Endurance test benches.
• Measurement and testing of mechanical and electromechanical devices.

Analysis, design, production and final test at customer of finished products, (prototype or serial) for Defence, Automotive, Aviation and Oil&Gas sectors. Production of standard or custom applications, based on client technical specifications. Opus automazione SpA is a system integrator: it designs each application according to customer specifications, analyzing and researching the best technology solution for every need. The outcome is an advanced product, responsive to client technical specifications. With its wide experience, it integrates commercial and custom products, updating them according to military and industrial standards.
The company offer includes: creation of new test benches, renovation of existing systems, scheduling of calibrations.
Opus automazione SpA offers also a qualified assistance and repair service on place, ensuring the monitoring of the activities and an efficient maintenance work.

DEFENCE
• Test, inspection and integration systems for electronic and acoustic devices.
• Simulation system.
• Planning and realization of custom electronic diagrams on customer specifications,
  both analogical and digital.
• High frequency data acquisition systems and mathematic analysis.
• Programming on RealTime operating systems for specific applications.
• Hardware and software interfacing devices.

AUTOMOTIVE/AVIO/OIL&GAS
• Measurement and testing of mechanical and electromechanical devices.
• Burst test benches.
• Duration test benches.
• Characterization test benches.
• Volumetric test benches.
• Endurance test benches.

ACQUISITION AND SIMULATION HARDWARE
• Data Capture and data processing systems by PCI, cPCI, PXI, VME, technology.
• Electric conditioning systems of signals with commercial and custom solutions.

SOFTWARE DEVELOPMENT
Operating system:
• Windows 7, Windows 10, Sistemi RealTime, Interval Zero, VxWorks, Labview RealTime,
  LabView FPGA.
Developmnet environments
• LabWindows CVI, LabView, LabView RealTime, Microsoft Visual C++, Microsoft J++,
  Microsoft Visual Basic, Sviluppo su processi DSP, Sviluppo su FPGA,
  Development for embedded microprocessors.

Environment
Process Automation
Test Bench
Turbomachinery

Systems & Diagnostics Engineering

CERTIFIED
MANAGEMENT SYSTEMS
CQY
CERTIQUALITY

UNI EN ISO **9001:2015**
UNI EN ISO **14001:2015**
UNI ISO **45001:2018**

opus
automazione