

SYSTEMS INTEGRATION, INSTRUMENTATION AND AUTOMATION



SERVICES INCLUDE:

- Supervisory Control and Data Acquisition (SCADA) control systems programming, configuration and testing
- SCADA factory site acceptance testing
- On-site control systems commissioning and verification
- SCADA communications
- Communication systems and data network (LANs/WANs)
- System integration of PLC's, flow computers, and process analyzers
- Fluid metering systems
- Operator interface systems specifications
- Remote operation system design and specification
- Process instrumentation/device specification engineering
- Process and production reporting and archiving methods
- Regulatory document verification (safe charts/cause and effects charts)
- Operational philosophy/process flowchart documentation
- Existing control system evaluation and upgrades
- Electronic/Pneumatic/Hydraulic controls
- Purchasing and expediting
- Construction Supervision
- Safety instrumented systems
- Fire and gas detection systems
- General alarm systems
- Technical training
- Field technical support
- SIL audit and safety analysis
- Conceptual and detail design
- Life cycle automation and instrumentation
- DCS, PLC, pneumatic, hydraulic, and hybrid control systems

UniversalPegasus International (UPI) has been involved in systems integration, automation, and control systems since 1980. We are industry leaders in providing innovative automation solutions to oil and gas facilities in the Gulf of Mexico.

UPI offers complete Main Automation Services (MAC). By integrating traditional engineering with MAC services, UPI reduces third party interfaces, time to market, cost to construct, and increases quality of deliverables.

In addition, we have extensive experience in the engineering and migration of offshore safety systems from outdated pneumatic controls to electronic safety and state-of-the-art process control systems. Our support extends to all U.S. domestic and international locations.

We are authorized system integrators for several OEM Automation Manufacturers.

UPI integrates various vendor packages into a common, consistent control system, reducing training and improving operational functionality.

UPI integrates Leak Detection Systems with Control & SCADA Systems.

Our experience includes design and engineering of compressor stations, well sites, metering facilities, pipeline monitoring and control systems, enhanced recovery facilities, and gas and liquid processing facilities. Project documentation is produced including drawings, manuals, and custom training courses to meet the needs and desires of our clients.

A proven track record has been established in performing reports and studies including feasibility and cost studies, root cause analysis, operability, reliability and availability analysis, product evaluations, facility regulatory and compliance audits, and field surveys/evaluation of existing facilities.



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