Integrated Control Systems

Automation Solutions for Oil & Gas, Petrochemicals and Power
Performance Centric Designs

- Productivity: Integrated & Intelligent Applications
- Reliability: Hardware, Software and Networks
- Operability: Accurate Control & Human Factor Engineering
- Maintainability: Standardization, Diagnostics & Traceability
- Scalability & Flexibility: Modular Design Approach

Grounds-Up Risk Mitigation

- Safety: Personnel, Process and Equipment
- Worst Case Design & Testing Basis
- Normal Behavior under Abnormal Conditions
- Autonomous Sub-System Operations
- Multi-Vendor: Best-in-Class Products & Open Standards
- Obsolescence Proof: Designed for 15 to 25 years’ life
- Compliance: Standards & Regulations

Knowledge & Skill Management

- I&C, Electrical, Communication & Information Technology Life-cycle Expertise: Design, Implementation, Startup & Commissioning
- O&M Vendor Toolsets: Vendor Hardware & Software Certifications
- Industry Knowledge: Standards, Equipment, and Process

The Delivery Process

- ISO 9001: 2008 Certified
- Highly Developed and Proven Project Management Framework
- Quality Centric Implementation Processes
- Resource matching to task skill requirements
- Change Management & Traceability
Full Range of Automation Solutions

**Integrated Control Systems**
1. Process Control Systems
2. Safety Instrumented Systems
3. Fire & Gas Systems
4. Power Management & Distribution Systems
5. Instrument Asset Management Systems
6. Cybersecurity
7. Control/Electrical Buildings & MCCs
8. Control, E & I Construction
9. Engineering Study & Design – Control, Electrical, Instrumentation
10. Telecommunication, CCTV & Auxiliary Systems

**Wellhead Solutions**
1. Hydraulic Wellhead Control Panels
   - Electro-Hydraulic
   - Electro-Pneumatic
   - Hydraulic
2. Remote Terminal Units
3. Intelligent Well Control
4. Subsea Master Control Station
5. Chemical Injection Skids

**Field Services**
1. Operations & Maintenance Services
   - On-site/Resident Operations & Maintenance
   - On-call Operations & Maintenance
   - Remote Operations & Maintenance
2. Facility Survey and Troubleshooting
3. Operations & Maintenance Training Services

**Advance Software Solutions**
1. Alarm Management Systems
2. Control Loop Performance Optimization
3. Plant Information Management Systems
4. Condition Monitoring Systems
5. Overall Equipment Effectiveness

**SCADA Solutions**
1. Plant SCADA
2. Pipeline SCADA
3. Wellhead SCADA

**Gas & Liquid Measurement Solutions**
1. Terminal Management
2. Tank Gauging & Movement
3. Batch Management Systems
4. Pipeline Leak Detection Systems
Vendor Neutral Approach

- A strict project merit forms the selection basis for best-in-class products from leading manufacturers
- Application knowledge, regional know-how, supply chain considerations and customer preference at the heart of equipment selection
- Long term relationship with all the leading automation OEMs

All Under One Roof

- Instrumentation, Control & Electrical - all aspects of an automation project covered under one roof
- Extended scope of Networks, Telecom and IT solutions are part of the package to reduce customer’s vendor management issues
- Global one stop shop vision for all your automation needs

New Breed of Engineers

- Industry’s leading competency management framework capturing full automation lifecycle for oil & gas industry
- Multi-disciplinary approach covering instrumentation, electrical, control, communication & IT at the core of our System Integration training program
- Knowledge Management Framework to accelerate skill development

Standards & Certifications

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Classification Societies

- ABS
- DNV

NRTL/ Marks

- UL
- FM
- TUV
- ATEX
- LR

- CSA
- CE
- BASEEFA
- MMS
- USCG
Vendor Neutral - Best Fit Design

Complete Life-Cycle Services

Safe & Reliable Operations

Commissioning & Startup
Operation & Maintenance
Conceptual Design / Feasibility Study
PreFEED / FEED
Detailed Design & Engineering
Testing IFAT / FAT
Integration

Efficient Delivery

Best Fit Solutions

Vendor Neutral

Certifications
Standards
Codes
Process Optimization
Integrated Application Systems
Data Management

Lifecyle Management

Why INTECH

Global Presence
Project Foot Print in 35+ Countries with offices in 13 countries around the World

Experience
25+ Continuous years
2000+ Engineering Man-Years
What Our Customers Say

"In all honesty, most of the elements regarding the BOT Project INTECH support either met or exceeded my expectations. Also, we greatly appreciated the flexibility of the home office to keep the PM engaged until we completed the cut-over."

Deputy Plant Manager

"Please transmit my sincere congratulations and thanks to your teams for the successful planned shutdown and restart of IME without any accidents, and one day earlier than planned! Excellent team work!"

GM Field Offshore

"Please allow us to express our utmost appreciation for the thorough expertise, swiftness, and professionalism demonstrated by INTECH personnel in resolving DCS related problems."

Project Manager BOT

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Vendor Expertise

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