

Your Source for Integrated Automation Services

Integrated **A**utomation **S**ervices for the Oil & Gas on/off shore, Refining Petrochemicals , Gas Processing and Offsites. **Specialists in**

- Distributed Control Systems
- Emergency Shutdown Systems
- Field Instruments
- Wellhead Controls
- Analyzers & Sampling Systems
- Advanced Process Control
- Optimization
- Vibration Monitoring Systems
- Systems Interfaces
- SCADA Systems

AMERAPEX

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AMERAPEX provides integrated **A**utomation **S**ervices for process facilities worldwide from feasibility studies, benefit analysis, multi-discipline engineering and project management, to construction and installation services including commissioning and on-line cutover. Headquartered in Houston, Texas and with European offices in Milan. **AMERAPEX** supplies expert staff and extensive knowledge in automation technologies including those provided by ABB, Honeywell, Foxboro, GE, Allen-Bradley, Modicon among others.



Automation Services from the Feasibility Phase to Engineering, Procurement, Implementation and Site Services



AMERAPEX
HOUSTON
MILAN

AMERAPEX SERVES GLOBAL MARKETS

AMERAPEX CORPORATION is a leading edge engineering and supply chain company providing integrated Automation Services and supply chain solutions for the hydrocarbon markets in the Americas, Europe and Asia.

AMERAPEX's staff has experience in the oil & gas, refining, petrochemical, and chemical processes. Amerapex is highly skilled in design, engineering, procurement, and installation of major automation products. These in-

clude ABB, Honeywell, Yokogawa, Foxboro and Fisher-Rosemount Distributed Control Systems; Allen-Bradley, GE; Modicon and ABB August Emergency Shut-down Systems; ABB, Applied Automation, Precision Scientific Analyzers; and all major suppliers of field instrumentation.

AMERAPEX provides multiple engineering disciplines including chemical, electrical, mechanical, instrumentation, process control, simulation and information systems. These specialists work closely with a

highly qualified group of consultants associated with Amerapex to deliver the best solutions to our clients at the lowest cost and highest quality.

AMERAPEX's staff includes several senior engineers with a full range of experience. Several engineers have over twenty five years of experience in the process industry with major companies such as ABB, Honeywell, John Brown, Lummus Global and Aspen Technology.

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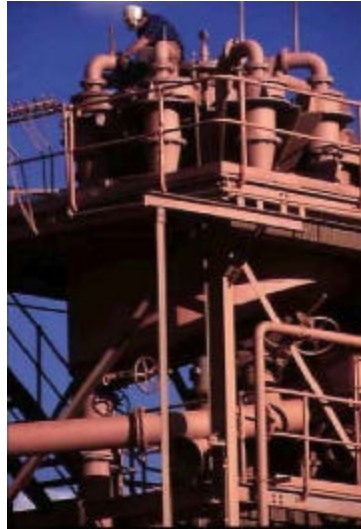
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Automation Services:

- Feasibility Studies
- Process Improvement Studies
- Return on Investment Analysis
- Front End Design
- Project Management
- Global Supply Chain
- Installation Services
- Hot Cut-over
- Commissioning
- Advanced Control & Optimization Services



Automation Services from the Feasibility Phase to Engineering, Procurement, Implementation and Site Services



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- MILAN



AMERAPEX & Alliance Partners Unique Capabilities

- TURNKEY PROJECTS
- HIGH QUALITY, LOW COST ENGINEERING
- TECHNICAL EXPERTISE
- PURCHASING SUPPLY CHAIN OPTIMIZATION
- FULL EXPORT SERVICES

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AMERAPEX Automation Services

Feasibility Studies for Instrumentation & Control



What automation currently exists at the facility?

What automation improvements should be made?

What are the costs and Return on Investment for these improvements?

What is the implementation schedule?

Amerapex has the multi-discipline engineering staff to answer these questions. Amerapex has extensive knowledge in control systems, field instrumentation, on-line “hot” cutover techniques, analyzers and sample systems, UPS, building modifications, among others. Broad expertise in major automation technologies and systems from specification to selection, engineering, implementation and installation.

Amerapex has the experienced project managers to insure that our clients achieve the best results through expert analysis and engineering. A select project team must be put in place with an overall project manager having the broad level of experience necessary to handle the various areas of investigation. Amerapex’s Project Managers provide the technical and management skill set needed to conduct these studies.

Amerapex has a global supply chain system covering procurement logistics, inspection and expediting for industrial products including industrial automation. We have the experience to obtain not just a low price but a low price solution. Amerapex can utilize your preferred suppliers or we can source products from our domestic and international suppliers.

Amerapex can produce an estimate showing the cost of the various components involved in the automation upgrade. Additionally, we can include a return on investment analysis to identify expected payback based upon agreed economic parameters.

Amerapex can also produce a preliminary Implementation Plan. This plan will include a high-level schedule overview showing key tasks involved in the automation upgrade including client support tasks.

- Control Systems
- Emergency Shutdown Systems
- Analyzers
- Control Panel Modifications
- System Integration
- Field Instruments
- Control Building Modifications
- Instrument Cabling
- UPS

AMERAPEX Automation Services

Front End Engineering & Design for Instrumentation & Controls



Multi-discipline engineering staff from field instruments to advanced applications

Project Management with proven experience and know-how to deliver

Experienced Staff having extensive backgrounds with operating and engineering companies, DCS and technology vendors

Lump sum, reimbursable, high quality and low cost solutions

Amerapex provides Front End Engineering Design (FEED) services which produce basic engineering specifications. These specifications allow for competitive pricing of automation products and services and can help achieve the best low cost solution.

Amerapex can produce comprehensive and integrated services as part of the FEED effort. These include: Work Packages for design engineering, procurement, and site work complete with technical and procurement specifications for field instrumentation, control systems, analyzers, building modifications, etc. Work Packages include both products and services , and Functional design specifications for advanced technologies and Implementation Plans.

Amerapex understands the complexities of automation upgrade projects which require expertise in multiple disciplines. Specifically, the thorough understanding of industrial controls and know-how. Amerapex's Multi-discipline engineering knowledge will insure that deliverables are met on schedule and on budget. Amerapex also has an extensive background and expertise in advanced technologies and information systems. This expertise combined with our instrumentation and control background uniquely distinguish Amerapex from our competitors. This comprehensive knowledge and multi-discipline engineering capabilities allows us to provide our clients the best integrated solutions to fit their needs and constraints.

- Control Room Layout
- Control System Specifications
- Analyzer Specifications
- Analyzer Shelters
- Advanced Technologies
- Field Instruments Specifications
- Control Building Design
- Equipment Purchase Orders
- Preliminary Site Work Packages
- Implementation Plans

AMERAPEX Automation Services

Design, Engineering & Implementation for Instrumentation & Controls



Multi-discipline engineering staff from field instruments to advanced applications

Project Management with proven experience and know-how to deliver

Experienced Staff with an extensive background working with operating and engineering companies, DCS and technology vendors

Lump sum, reimbursable, high quality and low cost

Amerapex Amerapex provides full design, engineering and execution services for complete plant automation and control upgrades of process facilities. The Project Execution work phase can be executed separately as a standalone project or in combination with the other phases such as FEED and site work. Services include:

- ◆ **Management of Project Execution work**
- ◆ **Engineering and Design**
- ◆ **Advanced Technology Detail Design Specifications**
- ◆ **Procurement Services**
- ◆ **Site Work Packages**
- ◆ **Implementation Planning**

Amerapex has full capabilities to provide all Project Execution and implementation tasks giving our clients a single source and fully integrated solution to your automation service needs. The primary areas of Amerapex's business are engineering and implementation of plant automation upgrades, providing advanced technologies solutions to the process industries, and supply chain services for equipment and technologies. Our ability to provide these services from a single source and through an integrated team of engineers, project management personnel and other specialists, allows Amerapex to deliver the best set of solutions at the lowest cost and risk to our clients.

- **DCS /ESD Software**
- **Analyzer Sampling Systems**
- **Control Room Layout**
- **ESD Logic Diagrams**
- **Field Instruments Installation Drawings**
- **Loop Diagrams**
- **Junction Box Database**
- **Instrument Index Database**
- **Hot Cutover**
- **APC/OPT Detailed Design**
- **Implementation Schedule**
- **Procurement Services**

AMERAPEX Automation Services

Full Site Services Capabilities for Instrumentation & Controls



Multi-discipline engineering staff from field instruments to advanced applications

Full spectrum of site services capabilities

Experienced Staff in installation and commissioning of most automation technologies.

Services provided on lump sum or reimbursable basis

Amerapex Amerapex provides full scale site services for existing plant's automation and controls upgrades. This includes installation and commissioning capabilities of equipment and application work based on major automation technologies. The services provided build upon the work completed earlier in the Project Execution phase or can be executed separately as a standalone project or in combination with the other three phases identified in Amerapex's work methodology.

- ◆ **Management of Commissioning work**
- ◆ **Site Implementation Planning**
- ◆ **Installation and Testing Activities**
- ◆ **On-Line "hot" Cutover**
- ◆ **Control Systems Commissioning**
- ◆ **Advanced Technology Application Commissioning**

Amerapex has full capabilities to provide all engineering, design, project execution and site services giving our clients a single source and fully integrated solution to your automation service needs. The primary areas of Amerapex's business are engineering and implementation of plant automation upgrades, providing advanced technologies solutions to the process industries, and supply chain services for equipment and technologies. Our ability to provide these services from a single source and through an integrated team of engineers, project management personnel and other specialists, allows Amerapex to deliver the best set of solutions at the lowest cost and risk to our clients.

- **Installation**
- **Construction**
- **Testing**
- **Commissioning**
- **On-Line Cutover**
- **Management**
- **Vendor Site Support**
- **Final Documentation**
- **Spare Parts**
- **Site Training**
- **Warranty**