



SYSTEM INTEGRATORS | TURNKEY PROJECTS | ENERGY CONSERVATION | PLANT AUTOMATION

2010

HUNCH

HUNCH Automation

HUNCH Automation is an innovative Controls Engineering firm that specializes in the optimization of industrial operations. For over 7 years, we have spearheaded the progressive use of existing and emerging technologies in process control, systems integration, networking, consulting, design, and maintenance.

One of the many things that sets us apart from our competitors is our belief that optimization does not have to mean replacement. We pride ourselves on finding the best control strategies and optimization options for increasing our client's productivity and profitability. Our goal at HUNCH Automation is simple:

To provide our clients—regardless of their industry—with the right tools to competitively manufacture the best products in the most cost-effective way.

Our engineered industrial products are unique solutions to the contemporary productivity and maintenance issues that plague many industries.



REGISTRATIONS

- ◆ Securities & Exchange Commission of Pakistan
- ◆ Federal Board of Revenue
- ◆ Lahore Chamber of Commerce
- ◆ DHL Pakistan

TECHNOLOGY PARTNERS

- ◆ Renu Electronics
- ◆ LinkVue System
- ◆ Four-Faith
- ◆ AKJ Inc.
- ◆ Lenze

TECHNOLOGY PROVIDER

- ◆ LS Industrial System
- ◆ Siemens
- ◆ Rockwell Automation

BANKS

- ◆ Habib Bank
- ◆ MCB Bank
- ◆ Standard Chartered Bank

ENGINEERING SERVICES

At HUNCH Automation, we revel in the challenge of meeting and exceeding your engineering needs. As a leader in the design and implementation of industrial process control systems, our solutions address your short and long-term requirements, enabling you to gain and hold the competitive advantage well into the future.

At, our progressive thinking, ability to foresee technology trends, and extensive knowledge of existing technologies, ensures that our clients find the optimum solution for their requirements. We assist our clients in making the transition from old to new technology without replacing their entire systems, and we inform our clients about the future implications of vendor offerings, enabling them to make choices that will facilitate present and future expansions and upgrades. We implement solutions at all functional levels on time and within budget.



Whether it is consulting, custom solution development, or the optimization of an existing solution, HUNCH Automation is your total solutions provider.

SOLUTION & EXPERTISE

Whether it is consulting, custom solution development, or the optimization and enhancement of an existing solution, HUNCH AUTOMATION is your total results provider.

As a technology-oriented firm, HUNCH AUTOMATION prides itself on its product knowledge and progressive thinking. We have the experience, expertise, and personnel to meet the needs of clients in any industry, regardless of their particular industrial applications and control systems. Some of the technologies that we work with most often are:

WASTE HEAT RECOVERY BOILERS	<ul style="list-style-type: none"> ◆ Complete prepared solution for waste heat recovery boilers ◆ Selected, reliable, proven and cost effective field instruments sourcing such as temperature, pressure, signal conditioners ◆ Very cost effective but highly reliable data acquisition & control hardware ◆ Perfect HMI design & development as per operator and system engineer requirement ◆ Industry proven OPC servers, Web servers, HMI builders, device drivers, data logging and file conversion
DIESEL/ GAS GENERATOR SETS	<ul style="list-style-type: none"> ◆ Low cost prepared solution for engine control, monitoring & protection ◆ Complete prepared solution for power control monitoring & protection ◆ Solution for load management/ energy management
WATER TUBE/ FIRE TUBE BOILERS	<ul style="list-style-type: none"> ◆ Complete developed package ◆ Burner management system (BMS) ◆ Flame proving system ◆ 3-element drum level control system ◆ Water, gas, oil, steam flow metering ◆ Online monitoring, control, system management and data logging system
POWER & DISTRIBUTION SYSTEM	<ul style="list-style-type: none"> ◆ Solution for load management/ energy management
WATER SOFTENERS	<ul style="list-style-type: none"> ◆ Low cost, reliable field sensors such as pH transmitter, conductivity transmitter ◆ Data logging and online monitoring
RO PLANTS	<ul style="list-style-type: none"> ◆ Low cost, reliable field sensors such as pH transmitter, conductivity transmitter ◆ Auto control and regeneration system ◆ Data logging and online monitoring
BURNER	<ul style="list-style-type: none"> ◆ Burner renovation, repairing ◆ Dual fuel conversion system oil/gas for old & new boilers ◆ Micro modulation system for optimum performance and fuel conservation
FABRICATION	<ul style="list-style-type: none"> ◆ Equipped facility for boiler's burner repairing & fabrication ◆ Erection of plant, plant pipeline & fabrication
POWER GENERATION	<ul style="list-style-type: none"> ◆ Synchronizing panels ◆ Power distribution panels ◆ ATS Panels ◆ AMF Panels ◆ Bi-Fuel Conversion System [Diesel /Gas] ◆ Gas Trains
TELEMETRY SYSTEMS	<ul style="list-style-type: none"> ◆ GSM/GPRS based telemetry system for remote area flow metering ◆ Complete SCADA on GPRS for industrial units ◆ GSM/GPRS based telemetry for power plants

APPROACH TO PROJECT

To ensure total plant integration with optimum results, the HUNCH AUTOMATION Engineers target three levels of control and data acquisition:

Level 1: Plant Control

HUNCH AUTOMATION solves progressive plant control needs with advanced hybrid solutions that yield lower overall life cycle costs, a broader range of control, easier configuration, and single-source data.

Level 2: Data Acquisition and Predictive Maintenance

HUNCH AUTOMATION thoroughly evaluates the factors required to improve your production system by qualifying and quantifying the strengths and weaknesses of your current process. Using advanced data acquisition and storage strategies, process data is then accessible for the analysis and improvement of your plant productivity.

Level 3: Management Systems

Information from the previous two levels is integrated to develop a management information system. This system allows quick observation of processing results using statistical and exception reporting, custom queries, and data trends.

DOCUMENTATION

HUNCH Automation strongly believes in the importance of good documentation. HUNCH AUTOMATION also provides our clients with additional documentation services. The following documents can be produced as print or computer-based manuals, or as scalable computer-based intranet information systems (modified manual) with keyword search capabilities, cross-reference links, and embedded definitions:



- ◆ Operation Manuals
- ◆ Maintenance Manuals
- ◆ Training Manuals
- ◆ User Manuals
- ◆ Procedure Manuals
- ◆ Installation Manuals

CLIENT SUPPORT

At HUNCH Automation, our strong client relationships are a direct result of our outstanding customer service, professional staff, and effective solutions. We provide extensive support for all of our projects:

- ◆ All solutions are professionally documented into concise manuals, guides, and any necessary supporting materials
- ◆ All clients are provided with contact information for the Head Engineer of their project, which they may call on with any problems, questions, or concerns.

At HUNCH AUTOMATION, we stand by our solutions and our clients, and we are proud of our exceptional customer service.

Think about future...



Conserve Energy.... Think **Alternatives!**

CONTACT US

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