

GREEN ENERGY
Solution Provider

HUNCH

**CORPORATE
PROFILE
2011**

HUNCH AUTOMATION PRIVATE LIMITED

MANUFACTURER | SYSTEM INTEGRATORS | TURNKEY PROJECTS | ENERGY CONSERVATION

www.hunch.com.pk

BRIEF INTRODUCTION

HUNCH Automation Private Limited is an innovative Controls Engineering firm that specializes in the optimization of industrial operations. For over 9 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.

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.

REGISTRATIONS	<ul style="list-style-type: none"> □ Securities & Exchange Commission of Pakistan □ Federal Board of Revenue □ Lahore Chamber of Commerce & Industries □ DHL Pakistan □ SNGPL □ SSGC □ KW&SB 	TEAM & EXPERIENCE	<ul style="list-style-type: none"> □ One PHD doctor, and two experienced directors in head office, experience in industrial sector more than 20-years specifically in water treatment, boilers, flow metering and power generation □ Four engineers in head office work with other junior staff, more than 10-year experience in application development. □ AutoCAD system designers has extensive experience in mechanical and electrical system development □ Two engineers are delegated for customized application development on MCU to provide start of art, cost effective solution for valuable customers □ Two engineers in Karachi office work with other sale and service qualified staff □ Two engineers and two supervisor in workshop and production unit work with other junior staff □ Software engineer from China and Canada are responsible to develop customized application for remote telemetry, SCADA and database □ Our team has extensive experience in web based remote telemetry, data acquisition and monitoring □ Complete ready for deployment solutions for steam gas and water flow metering, micro modulation combustion control for boilers and SCADA, remote telemetry and customized application development
TECHNOLOGY PARTNERS	<ul style="list-style-type: none"> □ Omni Telemetry Co. □ Delta □ Renu Electronics □ LinkVue System □ Four-Faith □ Muesen □ SENSE □ Telenor 		
BANKS	<ul style="list-style-type: none"> □ Standard Chartered Bank □ Allied Bank □ MCB Bank □ Habib Bank 		
VENUE	<ul style="list-style-type: none"> □ Head office (Registered office) at Lahore Pakistan □ Workshop and production unit in Lahore Pakistan □ Liaison office in Karachi □ Technology Partner OMNI Telemetry Co. (Canada) □ Distributor: Lahore, Faisalabad & Karachi 		

PRODUCTS & SOLUTIONS

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:

OBS55400	<ul style="list-style-type: none"> ❑ BS55400: Boiler/Burner management system ❑ Complete developed package for Burner management system (BMS) and Flame proving system ❑ 3-element drum level control system ❑ Water, gas, oil, steam flow metering ❑ Selected, reliable, proven and cost effective field instruments sourcing such as temperature, pressure, signal conditioners ❑ Color touch screen for HMI 	OTDS5400	<ul style="list-style-type: none"> ❑ TDS5400: TDS and pH control system including field sensors and controllers ❑ Control mode: Batch control, continues control, calendar control, manual control ❑ Data logging and online monitoring ❑ Auto control and regeneration system ❑ Data logging and online monitoring ❑ Complete automation solution for RO Plants, Water Softeners, De-Aerator tanks, and Cooling Towers ❑ Large graphical display for configuration and parameter display
OWM3600	<ul style="list-style-type: none"> ❑ WM3600: Control system for Industrial washing machines ❑ Recipe editor: up to 3 recipes ❑ Steps: up 120 with multiple inputs in each recipe ❑ Complete safety and protection control system ❑ Work mode: fully auto, semi auto, manual control ❑ Cost effective and reliable customized solution, can be implement any type of washing machine with customization ❑ Large graphical display for configuration and parameter display 	OBF3600	<ul style="list-style-type: none"> ❑ OBF3600: Bi-Fuel conversion system for diesel generators sets ❑ Complete solution with gas train control panel and other accessories ❑ Help to save diesel fuel cost up 70% ❑ State of art automation with all safeties and protections ❑ Diesel flow, and power (kW/H) metering integrated ❑ Color touch screen for HMI
OUF3600	<ul style="list-style-type: none"> ❑ OUF3600: Ultrasonic level and flow meter for open channels and large tanks ❑ Measuring range: 0.5 meter to 15 meter ❑ Protection: IP68 ❑ Remote telemetry option available ❑ Large graphical display for configuration and parameter display ❑ Password protected ❑ Options for battery or solar powered with battery charging system 	ODL3600	<ul style="list-style-type: none"> ❑ ODL3600: Level metering for diesel tanks ❑ Measuring range: 50mm to 36mm ❑ Technology: Capacitance based level sensing, no moving part ❑ Protection: IP68 ❑ Remote telemetry option available ❑ Large graphical display for configuration and parameter display ❑ Password protected ❑ Options for battery or solar powered with battery charging system
OPA5400	<ul style="list-style-type: none"> ❑ OPA5400: Plant Automation solution ❑ Complete customized, cost effective and 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 ❑ Online monitoring, control, system management and data logging system 	CELL900	<ul style="list-style-type: none"> ❑ CELL900: GSM/GPRS based telemetry system for remote area flow metering ❑ Complete SCADA on GPRS for critical industrial process units ❑ GSM/GPRS based telemetry for power plants (diesel gas generators sets) ❑ Application and database servers ❑ Wireless and cost effective solution for SCADA and remote data acquisition ❑ Large graphical display for configuration and parameter display

OGF5400	<ul style="list-style-type: none"> □ OGF5400: Flow meters for gases and air □ Line size from 1" to 12" □ Measurement technology: Thermal Mass □ Accuracy: 0.5% □ Technology: OMNI Telemetry Co. [Canada] □ Flow rate, temperature and totalizing □ Large graphical display for configuration and parameter display 	OAB5400	<ul style="list-style-type: none"> □ OAB5400: Auto Blow-Down system for boilers, cooling towers, treatment tanks □ Integrated TDS sensor, transmitter and control valve on single assembly □ Work mode: intermediate blow-down, calendar schedule, batch control, manual control □ Large graphical display for configuration and parameter display
OSF5400	<ul style="list-style-type: none"> □ OSF5400: Flow meters for steam flow □ Line size from 1" to 24" □ Measurement technology: Differential Pressure □ Accuracy: 0.07% □ Complete package from single source including orifice plates, neck weld flanges, pipeline and fittings □ Technology: OMNI Telemetry Co. [Canada] 	SMART FCU5400	<ul style="list-style-type: none"> □ SMART FCU5400: Flow Computers for flow metering □ Suitable for: water, gas, oil and steam flow metering □ Work mode: multiple metering, temp. & pressure compensation, batch control, flow rate control □ Large graphical display for configuration and parameter display
FUSION 3600	<ul style="list-style-type: none"> □ FUSION3600: Micro Modulation Combustion Control system with O2 trim for boilers □ Conserve fuel cost from 7-15% □ Electrical energy savings 30-70% □ Reduction in greenhouse gases up to 50% □ Complete ready for deployment system with long life O2 probe □ Steam, gas and water flow metering integrated* □ Reduce mechanical wear & tear, enhance system reliability and production up to 10% □ Color touch screen for HMI 	INTELLIGENT OXY3600	<ul style="list-style-type: none"> □ INTELLIGENT OXY3600: Flue Gas Oxygen Analyzer for boilers and generators □ Long life Zirconia probe with integrated temperature sensor □ In-situ probe, prompt installation and commissioning □ Analog output and remote monitoring □ Large graphical display for configuration and parameter display

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