

# HUNCH

**GREEN ENERGY**  
Solution Provider

**CUSTOMER  
PROJECTS  
2011**

HUNCH AUTOMATION PRIVATE LIMITED

MANUFACTURER | SYSTEM INTEGRATORS | TURNKEY PROJECTS | ENERGY CONSERVATION

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CUSTOMER	PROJECT	DESCRIPTION
HIRA TERRY TOWEL [Lahore]	Air pressure regulation system	Precise control of air pressure regulation system installed at screw type compressors outlets. Conserve energy up to 20%, reliable & cost effective solution, save utility operational costs.
CAMEL SYNTHETICS [Lahore]	Injection molding machine control system	Complete automation of 4 heads injection molding machines including SSR power control. More than 30 recipes pre-programmed as per material demand, programmable temperature curve or time factor. Compact panel replaces several of timers, relays, power contractors, temperature controllers etc. reliable & cost effective solution.
SNGPL [Lahore]	Deployment of AC vector drives on elevators	Integration of AC vector drives 5 Nos. with existing power & control panel on elevators control. Eliminates starting torque (almost zero), conserve power consumption around 30%, and also conserve power by regenerating braking. Highly integrated intelligent control system.
TRACKING WORLD [Lahore]	GSM/GPRS Telemetry for generator set	Complete generator set monitoring and control system. Data communication through GSM/GPRS and system can be monitored anywhere by using internet facility. Auto report, alarm/history generation, report start/stop, fuel level and flow monitoring.
ALLIED BANK LIMITED [Lahore]	Bi-fuel conversion system	Complete conversion system on 500 KVA Cummins diesel generator set with highly integration and protection with state of art automation system. Auto ratio control system as per generator set safety parameters. Cascade PID control for highly reliable operation. Fuel cost saving around 55%, low emission, fully auto control keeping all safety parameters under control.
SNGPL [Lahore]	Sound proof canopy	Complete sound proof canopy installed on 800 KW (2 Nos.) gas turbine remote radiators. Sound attenuation up to 65 db.
SNGPL [Lahore]	Gas Turbine battery backup system	Battery backup up system (16 Nos. SLAVR deep cycle high current batteries) for gas turbine control & starting system. Deep cycle SLAVR batteries specifically designed for power generation applications, environment friendly, operating life span 12 years.
DELTA GARMENTS [Lahore]	Steam & gas flow metering system	Complete steam & natural gas flow metering system installed at 2 TPH fire tube boilers.
ALLIED BANK LIMITED [Lahore]	Sound proof canopy	Complete sound proof canopy installed on remote radiator of 500 KW Cummins diesel generator set. Sound attenuation up to 65 db.
ALLIED BANK LIMITED [Lahore]	Noise & air pollution control system	Double muffler silencer with diesel catalyst installed on 500 KVA Cummins diesel generator set. Reduce noise and eliminates smog up to 90%.
INNOVATIVE ENGINEERING GUL-AHMED [Karachi]	Water flow metering system 20-systems	Water flow metering systems: More than 20 system has been installed at <u>GulAhmed Textiles</u>
GRESHAM EASTERN [Karachi]	Three-Element drum level control system	Three-Element drum level control system for boilers (2 Nos.). Installed at Abdul Monem (Bangladesh – Dhaka) Cost effective & reliable solution for drum level control system for water tube boilers including current flow rate, totalizing, 24 hour totalizing, totalizing reset with password protection.

USMAN INDUSTRIAL [Faisalabad]	Power monitor system for Gas Turbine	Power monitor system for Gas Turbine power distribution system.
USMAN INDUSTRIAL [Faisalabad]	SCADA 4-systems	SCADA system for Gas Turbine control and monitoring.
USMAN INDUSTRIAL [Faisalabad]	Gas Turbine automation 2-systems	Complete automation system for Gas Turbine
USMAN INDUSTRIAL [Faisalabad]	Sugar mill centrifuge automation 2-systems	Complete automation system for centrifuges
GRESHAM EASTERN AZGARD-9 [Lahore]	Gas Turbine diverter control system	Complete diverter/damper control system integration with GT safeties. Intelligent PID control system for load regulation integration with standard parameters of the system. Reliable, compact and cost effective package, replaces several of timers, relays and complex wiring.
GRESHAM EASTERN AZGARD-9 [Lahore]	Three-Element drum level control system	Three-Element drum level control system for water tube boiler. Installed at AzGrad-9 (Lahore)
MICROTECH ENGINEERING KARACHI WATER BOARD [Karachi]	GSM/GPRS based web enable data loggers 36-systems	GSM/GPRS based data logger for Karachi water & sewerage board. Data communication through GSM/GPRS and system can be monitored by using internet facility. Ultra low power, battery operational life 10-years. Auto report, alarm/history generation.
PAK INDUSTRIAL ENGINEERS NIT [Multan]	Complete boiler automation and Micro modulation combustion control system with O2 trim	Complete boiler automation solution for industrial process boilers. Complete BMS package: including flame relay, pumps operation, micro-modulation, pressure regulation, alarms & shutdowns, O2 trim, drum level control system, valve proving system, steam, gas, oil, water flow metering with totalizing, all safeties features, alarms, trending, history, data logging.
FBL US DENIM [Lahore]	Steam flow metering 2-systems	Steam flow metering system for 8 TPH fire tube boilers.
FBL PEPSI [Hattar]	Steam gas, air flow metering 8-systems	Complete steam, air & natural gas flow metering system for 2 TPH and 4.7 TPH fire tube boilers.
FBL GULF POWER [Kamonki]	Automation Waste Heat Recovery Boilers 5-systems	Complete automation of waste heat recovery boilers installed at 10 MW engines, with complete SCADA Cost effective & reliable solution, compact package solution.
FBL FEROUZE TEXTILES (A5) [Karachi]	Automation Waste Heat Recovery Boilers 1-systems	Complete automation of waste heat recovery boilers installed at 1 MW engines, with complete SCADA Cost effective & reliable solution, compact package solution.
COMBUSTION SOLUTIONS KAMAL LTD [Faisalabad]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 15 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 10% saving in fuel cost
DAS ENGINEERING SUMUNDRI SUGAR [Lahore]	Automation of centrifuge systems	Complete automation of centrifuge Cost effective & reliable solution, compact package solution.

DDFC <u>Security Papers Limited</u> [Karachi]	Steam flow metering system	Complete steam flow metering system for 2 TPH WHRB duplex boilers.
DDFC <u>CRESCENT</u> [Pindi Bhatian]	Steam flow metering system	Complete steam flow metering system for 3 TPH WHRB duplex boilers.
DDFC <u>HUSAIN TEXTILES</u> [Multan]	Steam flow metering system	Complete steam flow metering system for 3 TPH WHRB duplex boilers.
FM ENGINEERING [Multan]	Gas flow metering system	Complete gas flow metering system for 8 TPH boiler.
FBL <u>SM FOODS</u> [Multan]	Complete boiler automation Micro modulation combustion control system with O2 trim	Complete boiler automation solution for industrial process boilers. Complete BMS package: including flame relay, pumps operation, micro-modulation, pressure regulation, alarms & shutdowns, O2 trim, drum level control system, valve proving system, steam, gas, oil, water flow metering with totalizing, all safeties features, alarms, trending, history, data logging.
FEROZE TEXTILES (C3) [Karachi]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 15 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
FEROZE TEXTILES (A5) [Karachi]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 5 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
POPULAR FABRICS [Karachi]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 15 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
COMBUSTION SOLUTIONS <u>KAY &amp; EMM</u> [Faisalabad]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 10 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
FM ENGINEERING [Multan]	Gas flow metering system	Complete gas flow metering system for power generation units.
COMBUSTION SOLUTIONS <u>RASHID TEXTILES</u> [Faisalabad]	Flue gas oxygen analyzer	Flue gas oxygen analyzer (Zirconia O2 probe with display)
DDFC <u>CRESCENT</u> [Faisalabad]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 20 TPH fire tube boiler, dual burner operation. Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
RAJBY TEXTILES [Karachi]	Steam flow metering system	Complete steam flow metering system for utilities.
MAC & RAIN [Lahore]	Complete boiler automation Micro modulation combustion control system with O2 trim	Complete boiler automation solution for industrial process boilers. Complete BMS package: including flame relay, pumps operation, micro-modulation, pressure regulation, alarms & shutdowns, O2 trim, drum level control system, valve proving system, steam, gas, oil, water flow metering with totalizing, all safeties features, alarms, trending, history, data logging.

PEPSI COLA INTERNATIONAL [Hafar]	Complete boiler automation Micro modulation combustion control system with O2 trim	Complete boiler automation solution for industrial process boilers. Complete BMS package: including flame relay, pumps operation, micro-modulation, pressure regulation, alarms & shutdowns, O2 trim, drum level control system, valve proving system, steam, gas, oil, water flow metering with totalizing, all safeties features, alarms, trending, history, data logging.
FEROZE TEXTILES (C3) [Karachi]	Micro modulation combustion control with O2 trim [2 <sup>nd</sup> system]	Micro modulation combustion control with O2 trim for 15 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
FM ENGINEERING [Multan]	Gas flow metering system	Complete gas flow metering system for utilities.
POPULAR FABRICS [Karachi]	Micro modulation combustion control with O2 trim [2 <sup>nd</sup> system]	Micro modulation combustion control with O2 trim for 15 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
GAMALUX CHEMICALS [Karachi]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 12 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
DDFC ARC TEXTILES [Faisalabad]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 8 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
COMBUSTION SOLUTIONS PARACHA CHEMICALS [Faisalabad]	Micro modulation combustion control with O2 trim	Micro modulation combustion control with O2 trim for 10 TPH fire tube boiler Cost effective & reliable solution, compact package solution, 7-15% saving on fuel cost, 30-70% on electrical energy.
KAY & EMM [Faisalabad]	Flue gas oxygen analyzer	Flue gas oxygen analyzer (Zirconia O2 probe with display)
POPULAR FABRICS [Karachi]	Steam flow metering system	Complete steam flow metering system for utilities.
TOYOTA INDUS MOTOR [Karachi]	Steam flow metering system	Complete steam flow metering system for 2.5 TPH boiler.
LUCKY TEX [Karachi]	Steam flow metering system	Complete steam flow metering system for utilities.