

# PROCESS AUTOMATION



# FACTORY AUTOMATION



WE DELIVER **MORE VALUE**  
THAN WHAT YOU PAY FOR



**“ AN EXPERT TEAM  
COMMISSIONING EXCELLENT PRODUCT  
IS THE WINNING COMBINATION ”**

Automation experience of last 23 years helps us to clearly understand client requirements. We can anticipate many implicit requirements, once clients explain their explicit needs their application. Our Domain expertise in PLC Ladder (IEC 161131-3 programming), HMI, VFD & SCADA is an immediate advantage we offer to our clients. Apart from the zeal to do innovative industry first applications.

As a company we put immense value to our association with our customer it's no obligation to maintain the secrecy of their knowhow & at times help our clients to bag order by going extra mile in discussing their project requirements at the design stage as few projects require several man-days of strict and confidential working before bearing the fruits of business.

## YOUR ADVANTAGES



RELIABILITY



SERVICE



COMMITMENT



COST REDUCTION



BOOSTING PROFIT

## TEAM & FACILITIES



We maintain modern office of 1000 sq feet & work area of about 800 sq ft, in the heart of industrial area. Our team with their domain knowledge & dedication, very often delights multinational companies, where stringent safety norms, MTBF, MTR, CBM, TBM is of utmost priority & budgets are not limited. Our team also satisfies & handles with respect the OEM clients where everything needs to be done within a limited budget.

Our projects range from usage of CC-LINK IE field, CC-link, MODBUS, CANBUS, HART, ETHERNET & GSM networks. Process plants experience has made us use sophisticated Process CPU, delivering 3rd level of CASCADED PID loops Tuned to 0.04% stability.

**HART**  
COMMUNICATIONS FOUNDATION

**Modbus**

**SSCNET III/H**  
SERVO SYSTEM CONTROLLER NETWORK

**CC-Link IE**

**CANopen**



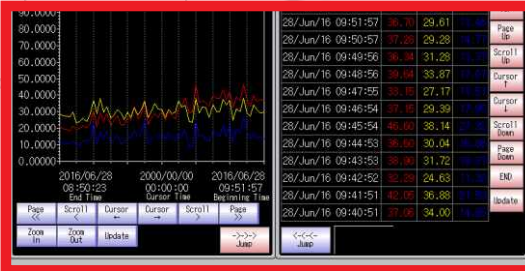
# VIEW | LOG | CORRECT

- SYSTEM VOLTAGE (V AC) ●
- REACTIVE POWER (kvar) ●
- ACTIVE POWER (kW) ●
- FREQUENCY ●
- ENERGY ●

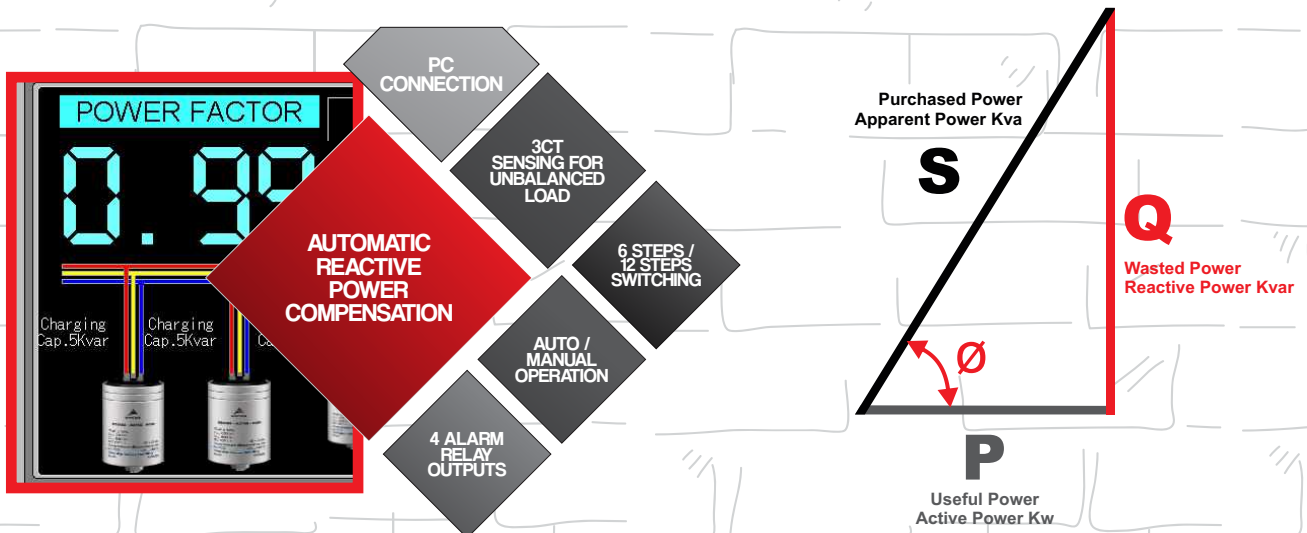
Energy Monitoring				28.06.16 15:08	
Single phase parameter					
Parameter	R-Phase	Y-Phase	B-Phase		
Voltage	205.71	214.35	210.54		
Current	42.80	30.37	16.32		
Power Factor	0.9638	0.9448	0.9497		
Double phase parameter					
Parameter	R,Y-Phase	Y,B-Phase	B,R-Phase		
Voltage	368.50	362.27	358.95		
Current (Avg)	29.8		Frequency	49.9	
Power Factor (Avg)	0.9550		Energy (kWh t)	7185.3	
<a href="#">Energy Monitoring</a>   <a href="#">Analog Meters</a>   <a href="#">Data Logging</a>   <a href="#">Current Graph</a>   <a href="#">Capacitor charging status</a>   <a href="#">Power Factor Graph</a>   <a href="#">Manual Operation</a>   <a href="#">Next</a>					

- THD-V, THD-I\*
- INDIVIDUAL HARMONICS UP TO 15 th
- APPARENT POWER (kVA)
- APPARENT CURRENT (A)
- REAL-TIME COS  $\phi$
- TARGET COS  $\phi$

## LOG VARIOUS POWER PARAMETERS

NUMBER OF CONTACTOR SWITCHING OPERATION*	MAXIMUM VOLTAGE V (Vmax)	MAXIMUM REACTIVE POWER Q (kvar)
MAXIMUM VALUE OF HARMONIC		kvar VALUE TO TARGET COS $\phi$
MAXIMUM ACTIVE POWER, P (kW)	MAXIMUM APPARENT POWER, S (kVA)	OPERATION TIME OF ALL CAPACITORS*

## RECALL RECORDED VALUES



# OUR PRODUCTS

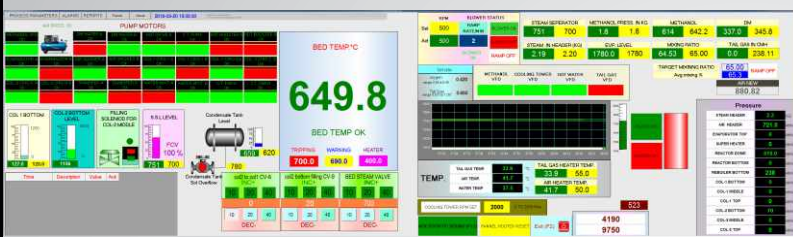


VFD

FIELD INSTRUMENTS

PLC & HMI

SCADA SOFTWARE



xArrow is a fully-featured SCADA software, its based on object oriented technology, and can be run on Microsoft Windows operating system. xArrow can support most popular protocol and can meet the requirements from single-user applications to complex Client/Server applications with redundancy.



## CONTROL PANEL FOR APPLICATIONS

- Industrial Washing Machine
- Welding
- Lubrication Systems
- Gear Hobbing
- Induction Hardning
- Pipe Bending
- Pressure Die Casting
- Rubber Moulding
- Crimp Curving
- Cut to Length
- Flexo Printing
- Green House Automation
- Formaldehyde Plant
- Fine Blanking
- Boring
- Band Saw
- Grinding

### OUR CLIENTELE



AND MANY MORE...

## ORCAN PRODUCTS OF INDIA

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