

GLOBAL INSTRUMENTS

# ***Global Instruments***

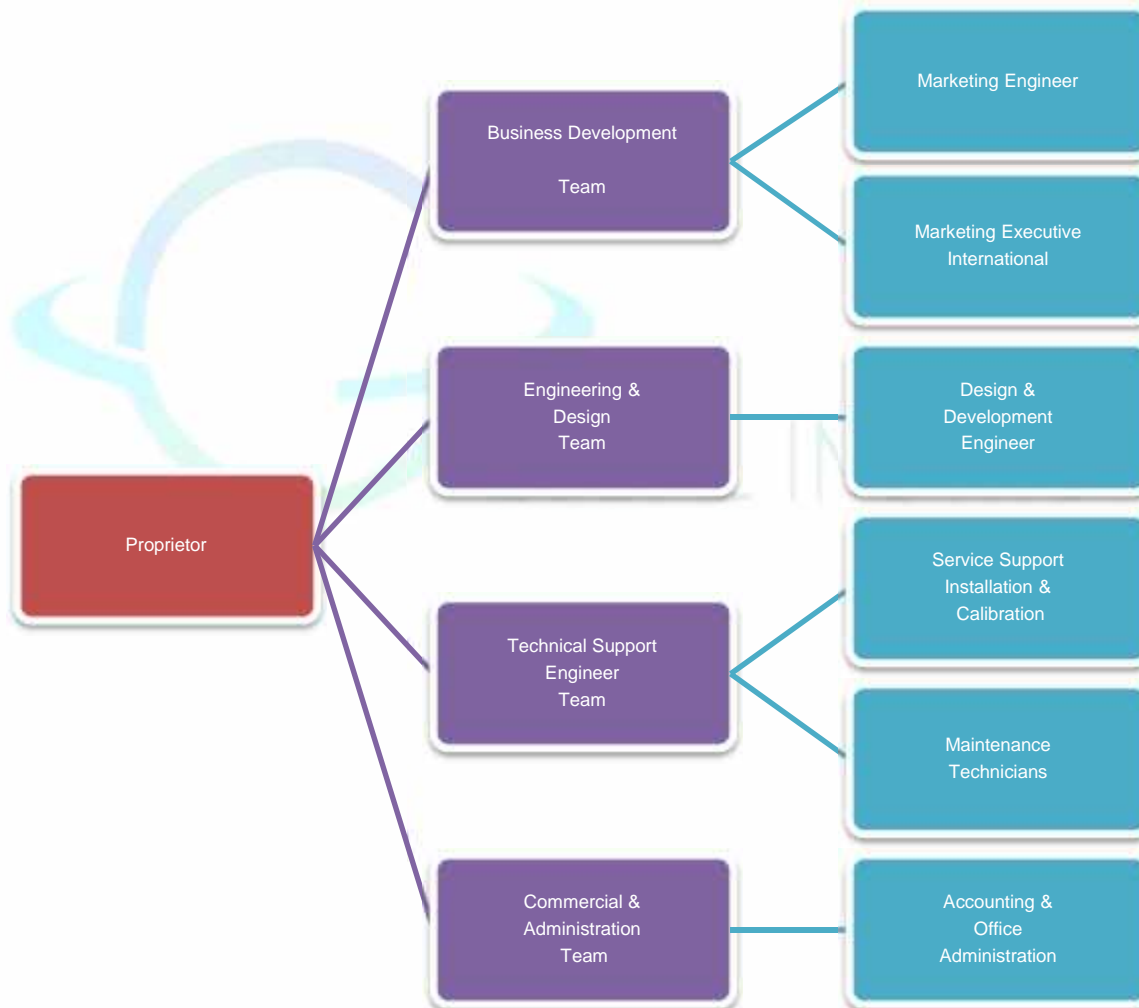
## **Company Profile**

3rd Floor, "SUNRISE" Complex, Opp. S.S.G Hospital ,Salatwadanaka, Vadodara-39001,Gujarat, India

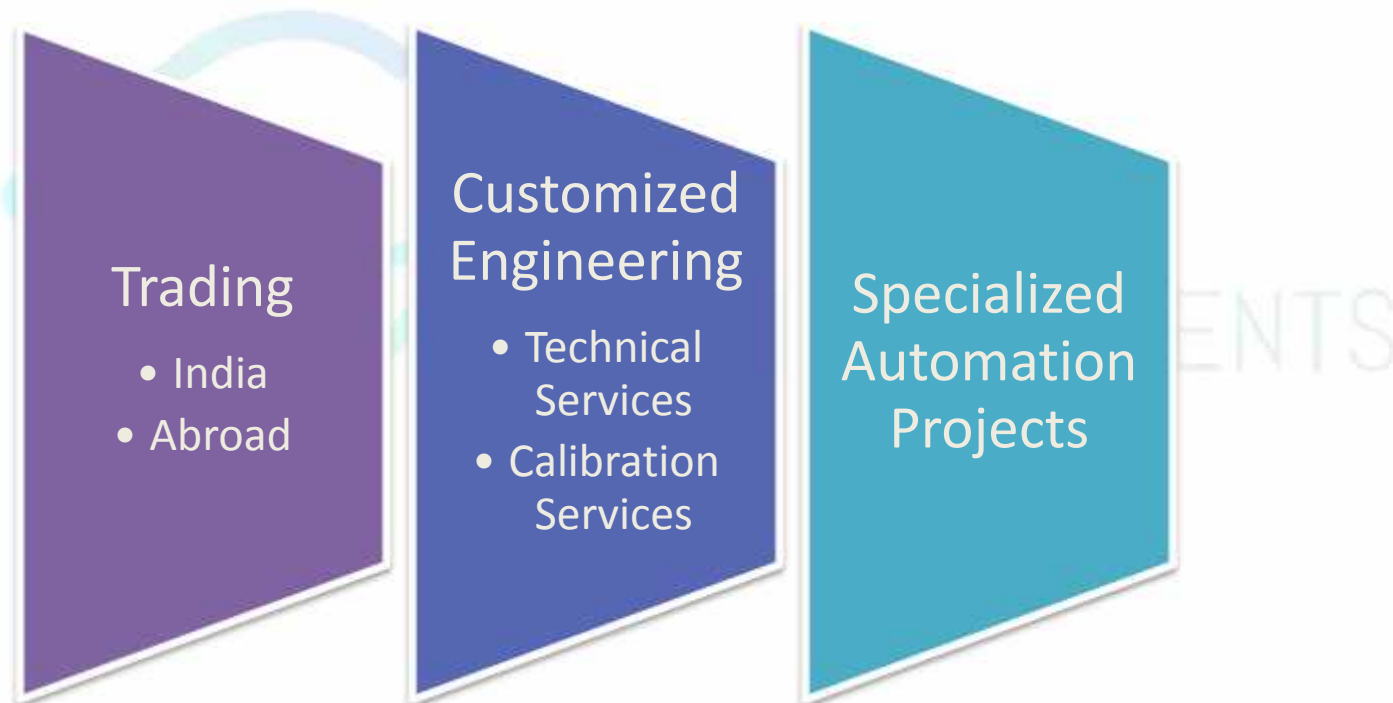
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# Organization Chart



# Organization Activities



## *Commercial Details*

Name of Company : Global Instruments

Type of Business: Trading

Proprietor : Unmesh Upadhyay

Year of Establishment: 30th November "2002

PAN No: AaFpU 4502N

VAT TIN: 24190601286 Date: 30/09/05

CST TIN: 24690601286 Date: 30/09/05

IEC CODE : 340730898 Date: 17/05/07

# Industries Served

- *Oil & Gas*

- *Petrochemicals*

- *Chemicals*

- *Power*

- *Textile*

- *Pharmaceuticals*

- *Plastic & Rubber*

- *Automobiles*

- *Defense*

- *Glass*

- *Atomic*

- *Food*

- *Engineering & Construction*

- *Machineries*



*Optimized Growth of Our Organization by providing hi-end engineering with an eco-friendly technology for Industrial society in satisfactorily manner.*

# *Our Products*



GLOBAL INSTRUMENTS

## *Process Control Instruments*

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- *Pressure*
- *Temperature*
- *Flow*
- *Level*
- *Humidity*
- *Pneumatics*
- *Electro-Pneumatics*
- *Lab Instruments*
- *Control Valves*
- *Test and Calibration Instruments*
- *Customized Test Benches*



GLOBAL INSTRUMENTS



# Pressure

- *Transmitters, Sensors & Indicators*
- *Process Controllers & Monitoring System*
- *Test & Calibration Instruments*
- *Test Benches*



# Temperature

- *Gauges*
- *Transmitters*
- *Sensors*
- *Indicators*
- *Programmable  
Controllers*
- *Calibrators*



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# Flow

- ◎ *Flow Meters*
- ◎ *Transmitters*
- ◎ *Indicators & Controllers*
- ◎ *Online Flow Instruments*
- ◎ *Flow Computers*
- ◎ *Data Loggers*
- ◎ *Flow Elements*
- ◎ *Batch Controllers*
- ◎ *Accessories*



# Level

- ⊙ Transmitters
- ⊙ Indicators
- ⊙ Controllers
- ⊙ Accessories

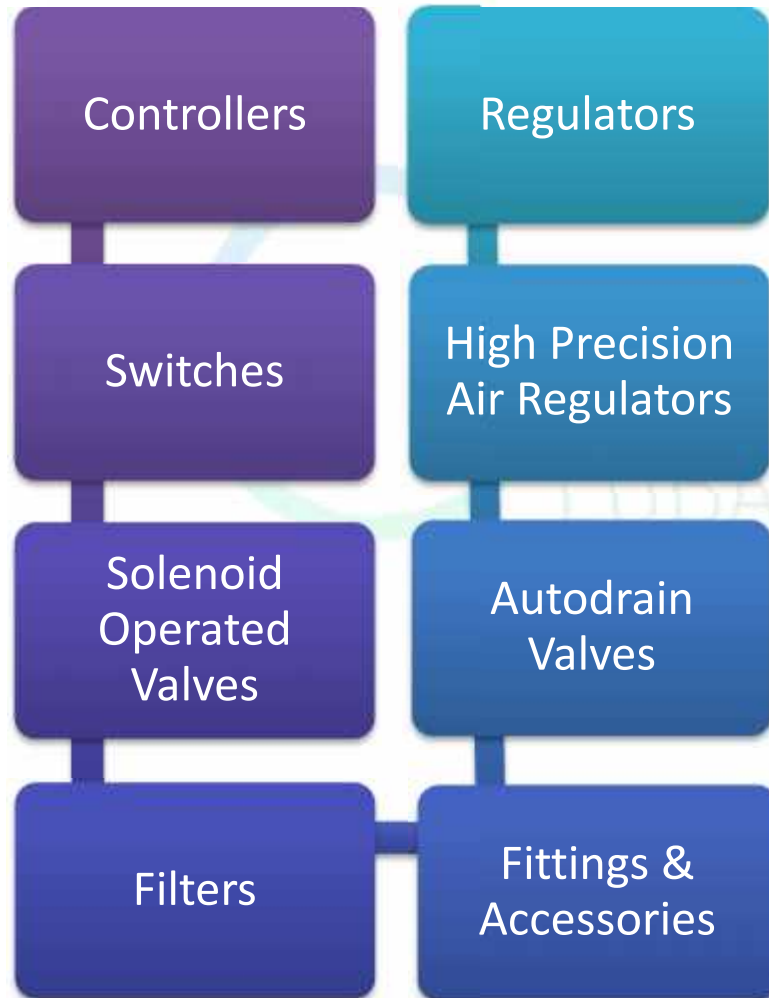


# Humidity

*Indicators  
Transmitters  
Controllers  
Sensors*



## *Pneumatics*



INDUSTRIAL INSTRUMENTS

# Electro-Pneumatic

- ◎ I/P Converter
- ◎ P/I Converter
- ◎ E/P Converter
- ◎ Pneumatic Valve Positioner
- ◎ Electro-Pneumatic Valve Positioner
- ◎ Smart Valve Positioner
- ◎ Position Transmitter
- ◎ Air Lock Valve
- ◎ Volume Booster
- ◎ Accessories



## Lab Instruments

- ◎ *Portable Gas Detectors*
- ◎ *Dissolved Oxygen meters*
- ◎ *TDS meters*
- ◎ *Online TDS transmitter*
- ◎ *pH meters*
- ◎ *Online pH transmitter*
- ◎ *Conductivity meters*
- ◎ *Online Conductivity transmitter*
- ◎ *Air anemo meters*
- ◎ *Digital Manometers*
- ◎ *Sound Level meters*
- ◎ *DEW point Hygrothermometer*





# Control Valves

Pneumatically  
Operated

Linear

Rotary

Electrically  
Operated

Linear

Rotary



# Test & Calibration Instruments

- ✓ *Hart Communicator*
- ✓ *Multifunction Calibrator With Hart Communicator*
- ✓ *DMS System*
- ✓ *Digital High Precision Smart Manometer*
- ✓ *Digital High Accuracy Test Gauges*
- ✓ *Customized Calibration Test Benches*



# Test & Calibration Instruments

*New HART Communicator Model  
MFC5150/ 5150X with extraordinary  
Features, which doesn't require any  
Kind of Software Updates, as well as  
Communicates with all the HART  
Supported devices, presented by our  
Principal "MERIAM"-USA*



**Easier. Faster.  
Affordable!**

**MFC5150x Intrinsically Safe,  
HART-Compliant Communicator**



	Meriam MFC4150x HART® Communicator	Meriam MFC5150x HART® Communicator
<b>Graphics Capability</b>	None	<u>Full graphics capability</u>
<b>Localization</b>	None	English, Japanese, Russian, German – <u>User selectable</u>
<b>Device Configurations</b>	Backup, Restore and Copy	<u>View</u> , Backup, Restore, and Copy
<b>HART® Simulation</b>	No	Not initially.
<b>HART® Loop Diagnostics</b>	No	<u>Yes</u>
<b>Charger</b>	Power dongle w/ Universal Power Adapter	<u>Charger Base w/ Universal Power Adapter</u>
<b>Documentation Versions</b>	English	English, <u>Japanese, Russian, German</u>

# Test & Calibration Instruments



*New HART with fully touch Screen Operation.*

*Easy interface with PC through a USB*

*Connectivity*

*Multi color high resolution Graphic Display*

*User selectable language Option*

*Standby for continuous 10 Hrs*

*Easy and sensitive keypad with alpha-Numeric*

*& Symbolic like cell phone*

*Very faster response & Connectivity with*

*Any type of transmitters*

Type	Transflective Display with anti-glare touch screen (Resistance film)
Size	4.3-inch WQVGA
Color	24bit (16,777,216) TFT color
Pixel	480 X 272 pixels
Backlight	White LED
Size	303x142x48 mm [11.9x5.6x1.9 inch]
Weight	Approximately 0.95 Kg [2.1 lbs] with battery
Material Key	Molded Keyboard design with tactile feedback 52 keys including qwerty keys
Handy carry case material	Ballistic Nylon; inside material black 420 Nylon
HART® leads	Molded banana plug test leads 1 meter long
Strap	Wrist strap
USB cable	2 meter Type A to USB Type B
CD-ROM	Manual/Drivers
Rechargeable Battery	Li-Ion
Continuance	10 hours
Standard	20 hours
Standby/Hibernete	200 hours
Voltage output	3.7VDC
Current capacity	2000mA
Energy capacity	940mAh
Charging time	5 hours
Input voltage	100-240VAC 50/60Hz
Output voltage	15VDC
Output current	1000mA
Overcharge protection	Yes
LED indication	N/A
LED indication	Yes, Tri color LED
Ambient temp.	+14°F (-10°C) to +122°F (+50°C)
Ambient humidity	0% to 95% RH (non-condensing) (for +32°F (0°C) to +122°F (+50°C))
Ambient temp. with battery	-4°F (-20°C) to +131°F (+55°C)
Ambient temp. without battery	-4°F (-20°C) to +150°F (+60°C)

Enclosure Rating	Body	IP51	
Shock condition	Tested to survive a 1 meter drop onto concrete		
HART® connections	Form	Two 4mm banana plugs	
Storage	Media type	microSD card	
	Capacity	4GB Minimum	
USB	Data rate	Supporting up to 115 kbps	
	Form	USB B type (receptacle)	
Power supply	AC adapter	Wall Adapter	
	Form	Four international inserts (US-U,UK-B,EU-E,AU-A)	
Intrinsic Safety	ANSI/ISA (US)	UL913 Ed7 UL6079-0 Ed5 UL6079-11 Ed5 CSA-C22.2 NO. 157-92(R2012) NO. 6079-0-11 NO. 6079-11-11 EN6079-0:2013 EN6079-11:2012 EN6079-26:2007	CL 1, DIV 1, GP A,B,C,D; T4 CL 1, ZONE 0, AEx ia IIC T4 CL 1, DIV 1, GP A,B,C,D; T4 CL 1, ZONE 0, Ex ia IIC T4
	ANSI/ISA (Canada)		
	ATEX (Europe)		II 1 G Ex ia IIC T4 Ga
	IECEx (International)	IEC6079-0:2011 Ed6 IEC6079-11:2011 Ed6 IEC6079-26:2006 Ed2	Ex ia IIC T4 Ga
FCC (US), CE (Europe)	FCC (US) CE (Europe) C-tick (Australia) ANSI-ISA	EN61326-1 EN61326-2-3	
Electrical Equipment Safety	UL (US) ANSI (US) CSA (Canada) CE (Europe)	UL61010-1 Ed3 UL60950-1 CSA-C22.2 NO. 61010-1-12 EN60950-1	AC Adapter  AC Adapter
Environmental Protection	RoHS WEEE REACH	Directive 2011/65/EU Directive 2002/96/EC Regulation (EC) No 1907/2006	
Transportation	IATA	UN/DOT 38.3	Li-ion Battery
Field Communication	Host		
Windows™ CE 6.0	Manufacture Revision	Microsoft Windows™ CE Rev2	
External device	FlashROM RAM	NAND 512MByte DDR 256mb	
Languages supported	English, French, Japanese, Italian, Spanish, Chinese, Russian, German		

## *Our Principals*



*M/s Marshbellofram- USA*

*M/s Meriam- USA*

*M/s Bell Flow Systems- UK*

## *Our Business Group*





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