



**Mayura Automation & Robotic Systems**

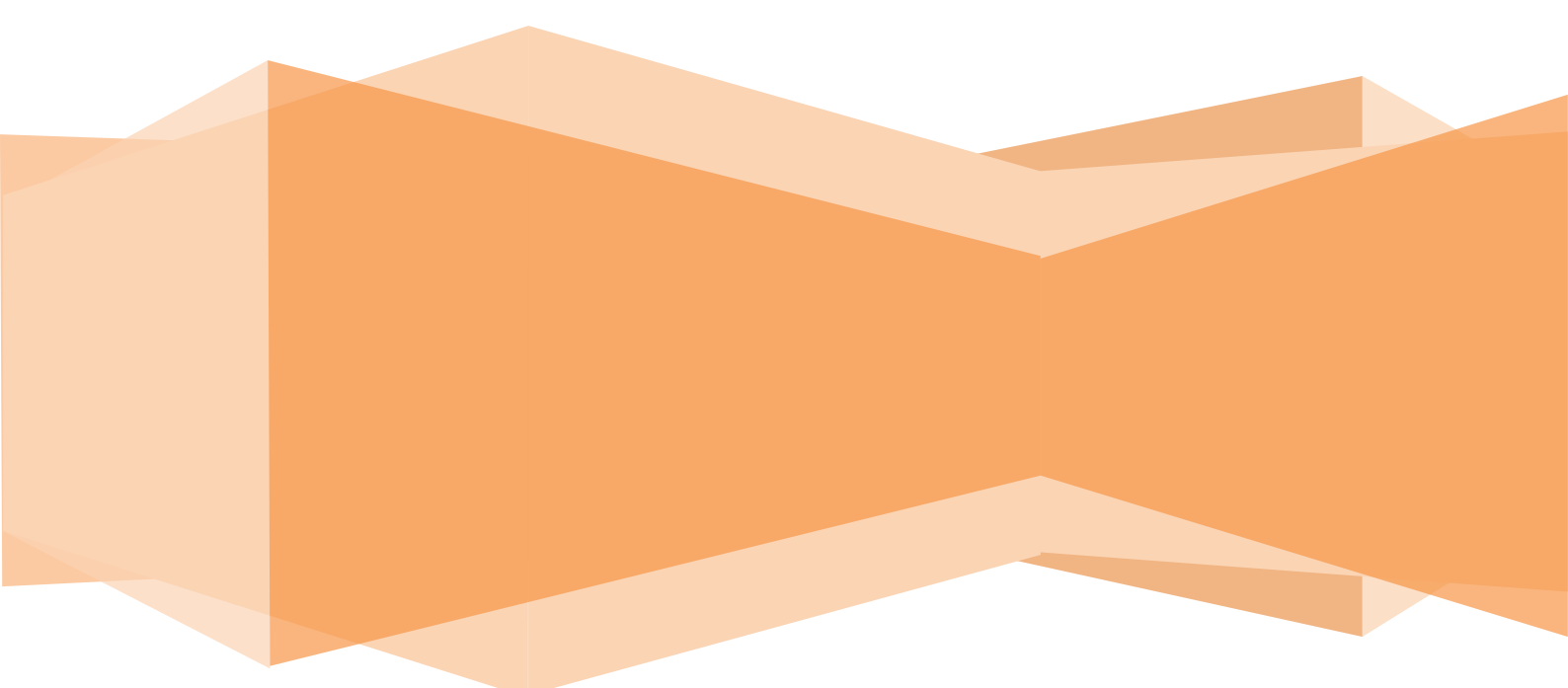
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# **REAL TIME DATA ACQUISITION SYSTEM FOR SENSOR MEASUREMENT**

**Test Rig Automation**

**LAB VIEW BASED SOLUTION**



## **ABOUT THE PROJECT:**

To build a Data Acquisition system to measure temperature from 24 channels at a time using a single Digital MultiMeter(DMM). Using National Instruments Lab VIEW, NI PXI, NI DMM & NI SWITCH, measurements made from 24 sensors at a time made possible with 200cycles/sec

The customer is the Multinational company who serves a wide range of industries with their component and sub-system needs-state-of art refrigeration , air conditioning components and controls, VLT® Drives and a range of heating valves, controls & solutions for HVAC, district cooling & under floor heating applications.

## **Solution offered:**

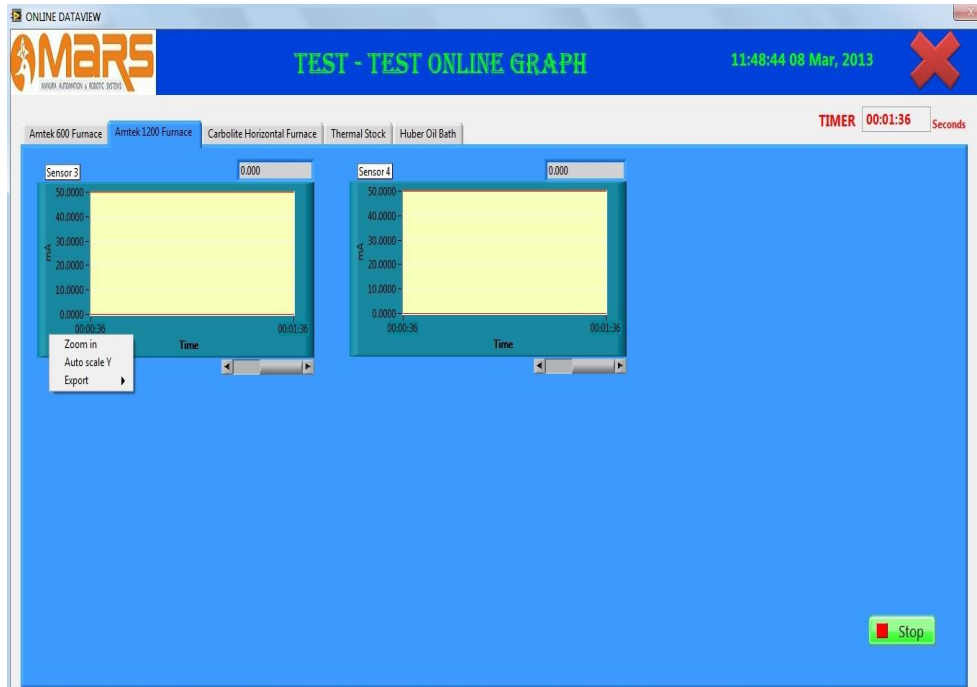
National Instruments PXI RT  
National Instruments PXI DMM  
National Instruments PXI SWITCH

## **Scope of Mayuras:**

- Labview programming
- Calibration and Integration of DMM and PXI switch.
- Embedded DAQ system



The below screen is the online monitor screen which is used to view the data's that has been measured.



## System Architecture:

