

## Data Analytics for Power & Process Industries

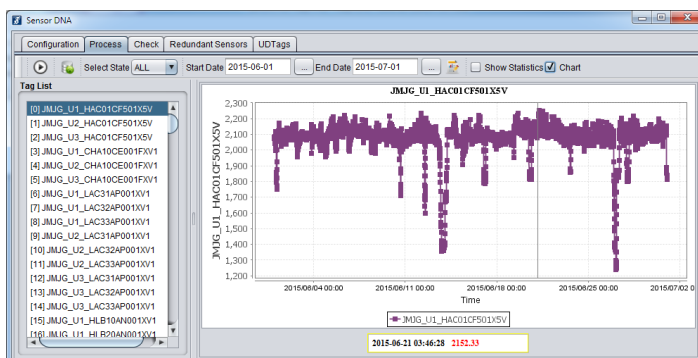
### About SensorDNA

Sensors are a very critical part of every industry. Various types of sensors are used to “Measure” and/or “Control” required process parameters like Temperatures, Pressures, Flows, valve positions, Currents, Voltages, Quality, Output etc.

Accuracy of sensors plays a key role in Measurement, Control and Safety aspects of any process industry. However, DCS\SCADA systems have very limited capability to understand the “health” of sensors. Errors in sensor data (especially in critical sensors) present a misleading picture of equipment health and performance to operators and plant engineers. Any maintenance decision (or lack of it) taken using bad data may cause significant loss of profits.

SensorDNA is a powerful module that can analyze large amounts of process data to understand the health of sensors.

### SensorDNA



### SensorDNA features

- SensorDNA uses a combination of statistical methods & process knowledge to establish data "boundaries" for various sensors. Process related algorithms unique to SensorDNA differentiate between high variance in data that may occur due to sensor issues or due to variations in process
- Seamlessly interacts with industry standard historians and data sources like OSI PI, OPC and our InDB historian.

***“As the number of sensors in Power and Process industries run into thousands, it is very important to automate the identification of faulty sensors”***

### Advantages

- Reduce calibration efforts (and thereby maintenance cost) by performing need based calibration activities (critical instruments may have to follow statutory calibration schedules).
- Provide accurate inputs to software modules used for high end analysis and maintain accuracy of any analysis being done with sensors

