Case Study:



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Ingenious Techzoid

AT A GLANCE

One of the largest Automobile manufacturing Company in India desires to have condition base monitoring which is in compliance with secured user access and a proven data integrity.

NEED:

TVS Motors wanted to monitor the running status on hourly basis and generate the reports on daily basis and further they want to track the vibration, temperature and electrical parameters as per the running status of motors.

BENEFITS:

 Helps in improving efficiency of the motors, recording and reducing downtime and detection of defects advance in time.

> Operation: overload, abnormal process, loss of performance.

- > Power supply problems.
- Motor insulation problems.
- Problems in the rotor bars and SC Ring.
 - HIS Group Ingenious
 - www.hisgroup.in
 - Development Center.
 BMM 7 Behind Punjab
 Mandi Board, Sector 65,
 Mohali.

OBJECTIVE:

- Complete running status of motors in real time basis for plant from start to finish.
- Monitoring of Velocity, temperature, pressure and current parameter.
- Provide options for enhanced capabilities such as,
- 1. Generate reports such as analytics for operating condition
- 2. Monitoring the current running status (all parameters are below threshold mentioned or not)

SOLUTION:

Condition base Monitoring is about simplifying the complexities that arise in maintenance of electric

motors. It contains various set of actions that definitely boost the way that motors are monitored in a factory. Some of its salient features are:

 Monitors the Running status in real time, identifies the bottle neck, calculate velocity, temperature,

pressure and current.

- > Generates daily report.
- > Generate alarms whenever a parameter is above threshold.

>Updates data on cloud for real-time remote monitoring of motor for Smart Monitoring.





– Noise



61.3 db

60.4 db 62.2 db