



Integrated Mcare

Condition Based Predictive Maintenance solution using edge technology

Businesses can no longer afford sudden losses of productivity and capital due to unplanned machine breakdowns. Traditional techniques and spot solution models used by most organizations for maintenance are ineffectual in leveraging the right metrics to monitor machines and in turn, fail to predict equipment health and life correctly.

Integrated Mcare is a Condition Based Predictive Maintenance solution which addresses unplanned machine downtime. It leverages Artificial intelligence and Machine learning technology to provide $\geq 80\%$ accuracy in fault prediction, performance prediction and remaining useful life.



Early Failure Detection on Edge Gateway

- Pre-build Machine Learning Models for various equipment types
- On the Edge processing and failure prediction
- Reduced storage and data transmission bandwidth and cost

Reduce Unplanned Production Downtime

System for Retuning of ML Models in Field Condition

- ML based Multi-dimensional Models for failure and performance prediction
- Fault signature library for different equipment type
- Unsupervised learning cycle for outlier fault types and signatures

Minimize Maintenance Cost

Why customers use Integrated Mcare?

- 24x7 monitoring of critical equipment
- Provides actionable insights
- Machine learning models for early detection of potential machine failure
- Significant reduction of maintenance cost i.e. repair cost, spare part inventory cost
- User friendly visualization

Actionable insights

- Algorithms and analytics recommendation engine to act ahead of any fault occurrence
- Cloud agnostic visualization
- Holistic view of assets at various levels of plant hierarchy

Increase Asset Availability

"Genius solution in smart factory space".

Refer detailed interview on: <https://www.youtube.com/watch?v=Tm2U57IY6p0>

- Dale Malony, Honda, US