



Avoid Full Operations Shutdown with Predictive Maintenance

Challenge

- Must reduce plant out-of-service times
 - Results directly in lost revenue
 - Reduce unnecessary service crew travel costs
- Predict life-time of factory components & machines
- Predict machine failures that result in plant shutdown
 - Service needs before they become problems
 - Optimize maintenance schedule & crew utilization
- Anticipate needs for replacement components
 - On-hand as needed, without extra carrying costs

Solution

- Unify data in end-to-end tire lifecycle
 - Raw material to finished product
- Range of data sources in their models:
 - Sensor data from the plant operations
 - Log entries
 - Error and failure messages
 - Repair and maintenance service reports

Impact

- Drastically reduce risk of shutdown as result of:
 - Critical equipment failure
 - Parts for repair being unavailable
- Each avoidance \$20+ Million per/day cost
 - Likely to avoid 1-2 shutdowns per year

Problem type: Predictive maintenance

Universal relevance: Simple repairs and maintenance can have massive downstream implications. While 'disaster scenarios' may be rare, proactive avoidance with AI can keep them to a minimum or eliminate them entirely.