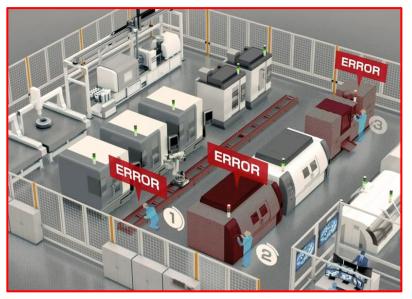
OEE Optimization System **OMNI edge**



Part 1



Add peace of mind with predictive failure detection to prevent a sudden manufacturing line stop



Unplanned maintenance!

Solution





Challenges in the manufacturing Line

In a Tire Manufacturing Line (Automotive Industry)



- Linear components (LM Guide, Ball Screw, Actuators) suddenly fail due to a harsh environment.
- The sudden stop of a machine or a process results in a critical impact by stopping the whole manufacturing line.



In a Long Process Transferring Robot



- Jointed LM Guides are used in a long process transferring lines.
- If an unexpected problem occurs with the LM guides, it will take long time to refit the jointed LM rails.
- During this non-planned long maintenance period, this process can not be used.



In a Food Manufacturing Process (Food Industry)



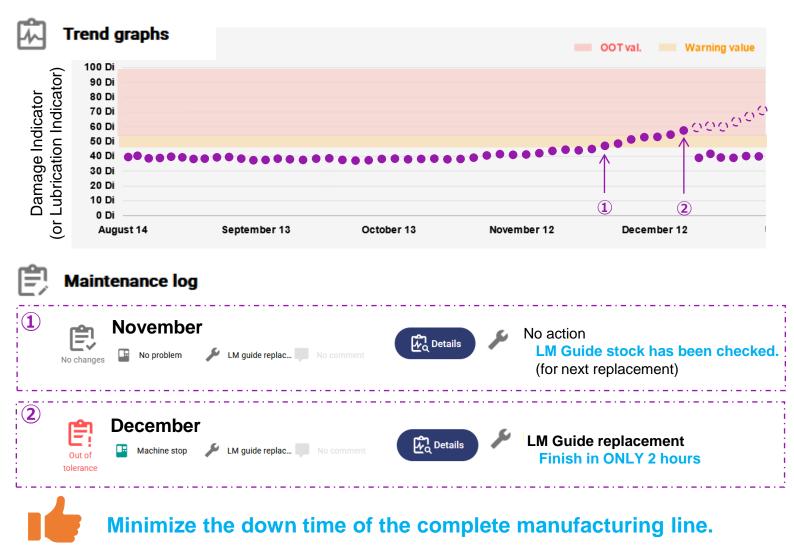
- Linear components are moving above a food manufacturing process.
- Complete wash downs are common in the food industry but it also has the potential to wash out the lubricant from the linear components.
- Mechanical component damage may result in small metal particle contamination of the food.



Predictive Maintenance for key components to minimize "down time of the manufacturing line" ?

A Manager of the manufacturing line

Solution : Visualize Lubrication & Damage



By **OMNI edge** for Linear Components

