

## **Application of condition monitoring for maintenance**

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The aim of this presentation is to show some applications on predictive maintenance for strategic equipment in the Chemical Industry.

A specific application can be shown on the approach going from a FMECA (Failure Modes Effects and Criticality analysis) study, to a reliability dashboard showing the machine 'health'.

This approach has been applied on some Pressure Filters (called Nutsches filters) on site. I will show how preventive diagnostics are made possible through online measurements of various available parameters of the machine (e.g. vibrations, temperature, torque of the agitator, etc.). The aim is to monitor key parameters and avoid breakdowns, unplanned outages, and therefore minimize production loss. Also be able to diagnose and plan the maintenance work specifically.