

# Cases and Applications

## Compressors, Gearboxes and Fans



### Problem

A large Brazilian fastener manufacturer was experiencing problems in its most critical assets. Maintenance was performed late and the plant did not have an online monitoring system that could prevent excessive unplanned downtime.

**Up to R\$73,000 were lost due to critical failures in blowers and gearbox systems**

### Solutions

- 32 Tractian sensors were installed in 18 gearboxes, 6 fans and 8 compressors.
- The complete setup took only 8 hours (15 minutes/sensor). Soon after, all machines were online and available on the platform.
- Automatically training the assets took only 4 days, Tractian's algorithm categorizes and identifies the condition of the equipment, ready to generate insights into potential failures.

### Results

More than R\$500 thousand saved in the first year.

60% reduction in last minute maintenance occurrences.

30% increase in the reliability of the monitored equipment.

90% assertiveness in identifying potential failures.

Savings of 30 hours / month for the predictive technicians.

Expansion to other asset families, such as furnaces and pump sets.