

Connected Conveyor Belt

Wireless, online system to monitor the state of life of conveyor belt idle rollers, in order to avoid catastrophic and costly failures such as fires, damage or ruptures in the belt.



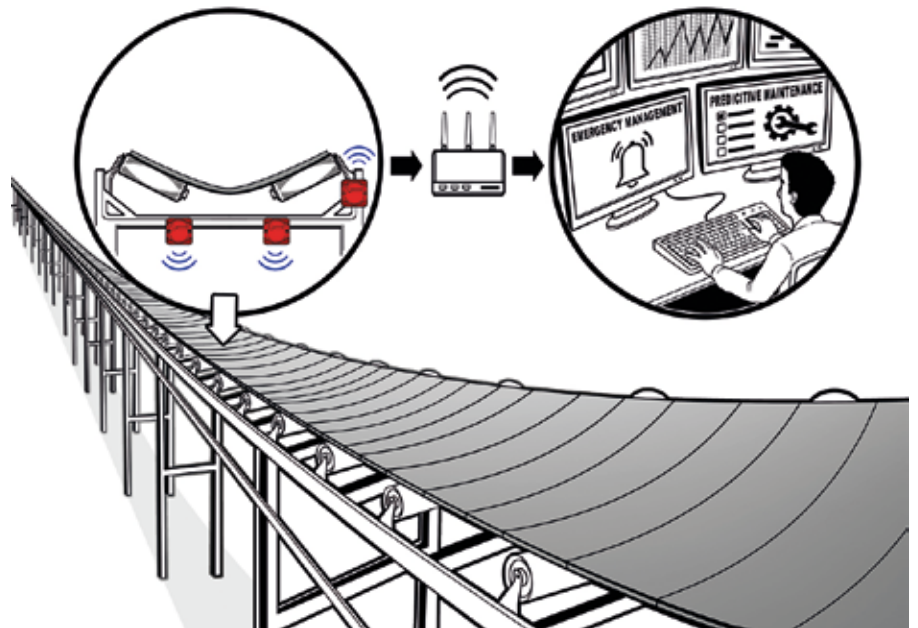
BOSCH

Invented for life

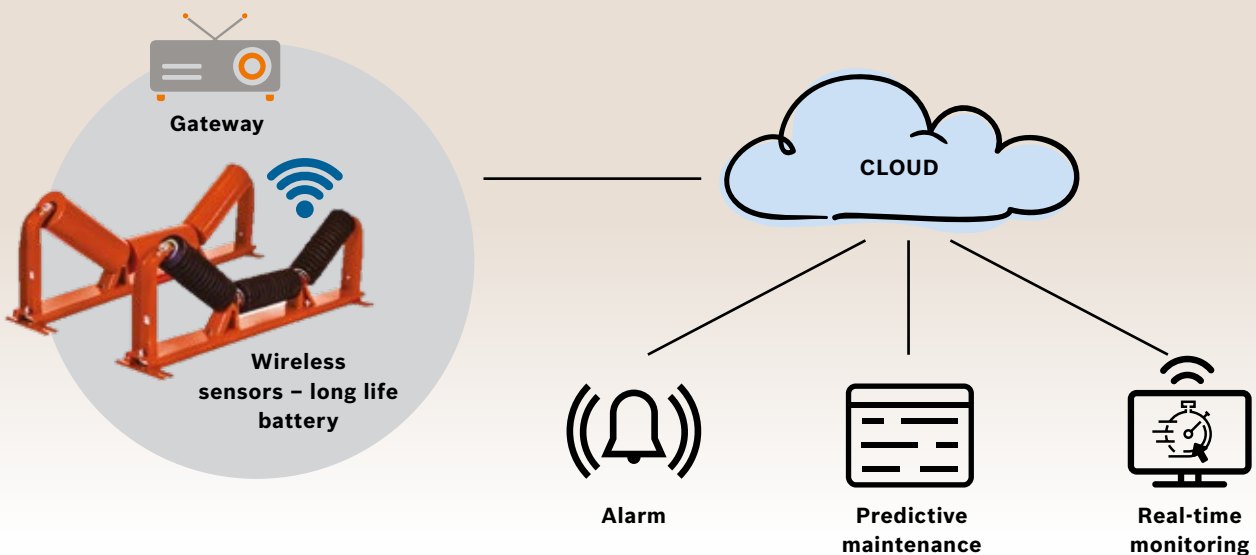
[bosch.com.br](https://www.bosch.com.br)

Architecture

- Real-time monitoring of the condition of each roller;
- Warning when the roller is in critical condition;
- Predictive maintenance: predicts the service life of the roller and ideal date for replacement.



Example of functioning



Benefits

- Reduces wear to the conveyor belt;
- The rollers are only replaced at the end of their life;
- Reduces work of the maintenance teams;
- Reduces damages to the system;
- Increases productivity.