WE DISCOVER POTENTIAL

Online condition monitoring services for filter bags

Improve filtration efficiency and reduce costs

Monitor wear and act before failure occurs

Our online condition monitoring services for filter bags offer continuous measuring and monitoring, so you can address issues at the right time, schedule maintenance activities and avoid unplanned down-time.

Level I service is based on existing signals on the plant

Level II service is based on existing signals + added sensors for further insights

Key signals* for the filter bags lifetime evaluation and remote diagnostic are:

- Bags cleaning shots counter: actual vs total expected in a life-time
- Differential pressure
- Cleaning system pressure
- Filter running hours in various operating modes
- Filter inlet temperature
- Gas flow or system operating load
- Burst bag detector for bag wear tracking
- Valve failure percentage monitoring

(*) actual onboarded signals to be checked and adapted as per actual installation.

Using sensors to track filter bag wear, this service lets you know not only where failure is likely to strike but also which operating parameters are contributing to excessive wear.

The service complements on-site maintenance and identifies symptoms that can't be detected by regular maintenance alone. Our experts interpret the data and give you valuable recommendations and solutions to achieve optimum filtration efficiency and reduce dust emissions.

By closely monitoring filter bags, you can develop a maintenance strategy that precisely meets the needs of your system.

- **What?** Continuous filter bag health monitoring, including expert reports on mechanical wear monitoring, predictive filter bag failure trends, and predictive cleaning valve failure trends.
- **Outcome:** You can predict bag failure before it happens so you can keep your operating costs and emissions levels under control, improve baghouse performance and efficiency, and optimise filter bag inventory management.
- **Case:** This service monitored the compressed air pressure used for bags cleaning. Our experts analysed the data, which potentially indicated a premature wear of the filter bags. Proactive action eliminated a potential bag failure and increased bag life.

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