



How it works

ConditionAlert™ collects and assesses data 24/7, producing warnings and reports adapted to your production schedule with detailed insight into major component status during that period.

You and your team can be notified via email. Alternatively, you can access the Alfa Laval Internet of Things (IIoT) platform for a clear understanding of your decanter's health.

Alfa Laval experts will support you proactively through the proper maintenance required, enabling you to have an effective overview of your improved operational performance.

How the service can be delivered



On site



Remote



Onboard



In service center



Dry docking

Alfa Laval

ConditionAlert™

For Decanter Centrifuges

Protect the availability and productivity of your decanter

ConditionAlert™ is the foundation for full predictive maintenance that will protect your uptime and productivity. ConditionAlert™ producing warnings and reports that give you a heads-up to changes in critical component status. It allows you to schedule service as needed, when it is most convenient and cost-effective.

With ConditionAlert™ you can avoid the smaller breakdowns before they lead to larger and costlier ones.

Our services help you to:

- Reduce downtime
- Reduce maintenance costs
- Reduce number of accidents



Case story

ConditionAlert™ prevents critical failure in a bioethanol plant

A bioethanol plant in the US faced a recurring challenge with frequent bearing failures, leading to significant disruptions in their operations. Recognizing the critical importance of uptime, the customer implemented ConditionAlert™. From the time of installation, ConditionAlert™ diligently monitored the machines around the clock, with no specific findings during the first nine months.

In April 2021, ConditionAlert™ detected an increase in vibration levels in the decanter bearing, prompting multiple reports to be sent to the customer. These reports provided a clear diagnosis and actionable recommendations to sustain proper operations until May 2021. The recommendations highlighted the need for immediate machine stoppage and bearing replacement to prevent an impending critical failure.

The implementation of ConditionAlert™ yielded substantial benefits for the customer:

Cost savings

The prevention of bearing failure and potential crash resulted in cost savings of more than 25,000 EUR. This includes savings from avoiding the repair costs associated with the decanter and any consequential damages caused by a failure event.

Reduced downtime

Instead of facing several days or weeks of downtime for repairing the decanter after a crash, the customer experienced only one day of downtime to replace the damaged bearing onsite.



Improved maintenance planning

Leveraging the diagnostics and recommendations provided by ConditionAlert™, the customer was able to proactively plan service activities and together with Alfa Laval secured the availability of required parts well in advance.

"More corn ethanol plants are now using connectivity and digital technologies to optimize operations and minimize their carbon footprint, contributing to lower greenhouse gas emissions throughout the ethanol lifecycle."

Andrea Pelizzaro
Conncted Services Manager

ConditionAlert™



Other Services

Remote Support and Monitoring

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