

# How CSF Proteins Went to Zero Unplanned Outages in Less Than 12 Months

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**How CSF Proteins utilised MOVUS FitMachine to save lost production, reduce equipment repair costs, and create a trusting relationship with stakeholders.**

## CASE STUDY SNAPSHOT

To advance their broader reliability program surrounding lubrication improvements and the quality of their overhauls, CSF Proteins initiated a FitMachine deployment in April 2019.

Since, FitMachine has prevented the major failures CSF Proteins has experienced in the past couple of years. Ultimately, this has cut repair costs, reduced unplanned downtime, reduced unsafe work and drastically improved reliability.



***“In the last 12 months MOVUS has picked up two events that would have been unplanned, uncontrolled failures.”***

ROHAN HODGES  
National Engineering Manager

## THE CHALLENGE

Prior to their FitMachine deployment CSF Proteins struggled with reliability. Despite their rendering plants being one of the most sophisticated in Australia, their old routine maintenance regime and use of the 'look, listen and feel' technique meant roughly 70 percent of failures were going undetected.

Historically, this meant CSF Proteins have dealt with four or five major failures each year. During each failure a plant line would be down for up to five days.

Being a rendering plant, this is particularly significant. To ensure they can process the intake material before it starts to spoil, CSF needs to guarantee the reliability of the major equipment on their production line.

The failure of assets is a highly undesirable outcome; one which in turn impacts their reliability, reputation and relationship with stakeholders.



## WHY FITMACHINE WAS THE PERFECT SOLUTION

Taking action to minimise their unplanned downtime and associated costs, CSF Proteins implemented MOVUS as a low-cost, self-installed condition monitoring solution.

MOVUS FitMachine has allowed CSF Proteins to operate and repair equipment in an increasingly planned manner. Now, they have early warning of potential failures and can plan downtime without interrupting production - minimising costs and skyrocketing their reliability.

Having implemented FitMachine across their Melbourne plant, CSF Proteins are now better positioned moving forward. The maintenance team now utilise the solution to pick up on critical condition changes in their equipment they otherwise would have missed.

**As part of their reliability program, CSF Proteins now haven't had a major unplanned, uncontrolled rebuild in the last 12 to 18 months.**

## THE RESULTS

One such example of the impact MOVUS has had includes when FitMachine detected a bearing failure.

With the asset too hot to touch and located up in a hard-to-reach location, without FitMachine the maintenance team would have been unable to pick up the failure using the 'look, listen, feel' technique.

This has proven true across the asset's history, whereby the bearing has consistently run to failure. With equipment repairs, labour costs and several days downtime to be considered, failures like these are costly to the business.

Luckily, when the grease inside the bearing dried out and the rollers had commenced wearing, the equipment's vibration and temperature started to increase. This triggered an alarm and allowed CSF Proteins to take action.

## KEY OUTCOMES

- > **Increased reliability**
- > **Reduced equipment repairs and unplanned downtime costs**
- > **Optimised maintenance practices**

## THE CUSTOMER

Formed in 2013 as a wholly owned subsidiary of Ridley Corporation, CSF Proteins provides domestic and international markets with animal protein products.

Rendering animal by-products into high performance feed ingredient solutions and renewable fuels, CSF Proteins supplies products that support the health and performance of farmed animals, fish and pets, and biofuels as a source of renewable energy.



***"Being able to do that sort of repair quickly prevented what could have been a significant business problem."***

ROHAN HODGES  
National Engineering Manager

## START NOW FOR FREE

MOVUS is a world leading continuous condition monitoring solution provider with a proven track record of helping customers avoid unplanned downtime, lost production, and expensive repair costs. Get started today and experience the simplicity of FitMachine and power of MachineCloud via:

<https://learn.movus.com.au/trial>