

# WIND TURBINE JOINT MONITORING FROM ABFAD LTD



# Protect critical joints with 24/7 monitoring

Corrosion and fatigue on a vital joint can lead to a catastrophic failure of the structure.

Structures such as wind turbines are greatly impacted by cyclic loading and the environment they operate in. This makes them a prime target for corrosion, whether onshore or offshore, and a potential weakening of the turbines vital bolt connections.

Installing a 24/7 joint monitoring system provides a solution to these problems.

## Where did Wind Turbine Joint Monitoring originate?

Fuelvac® was developed as a double skin lining system for storage tanks, over a decade ago.

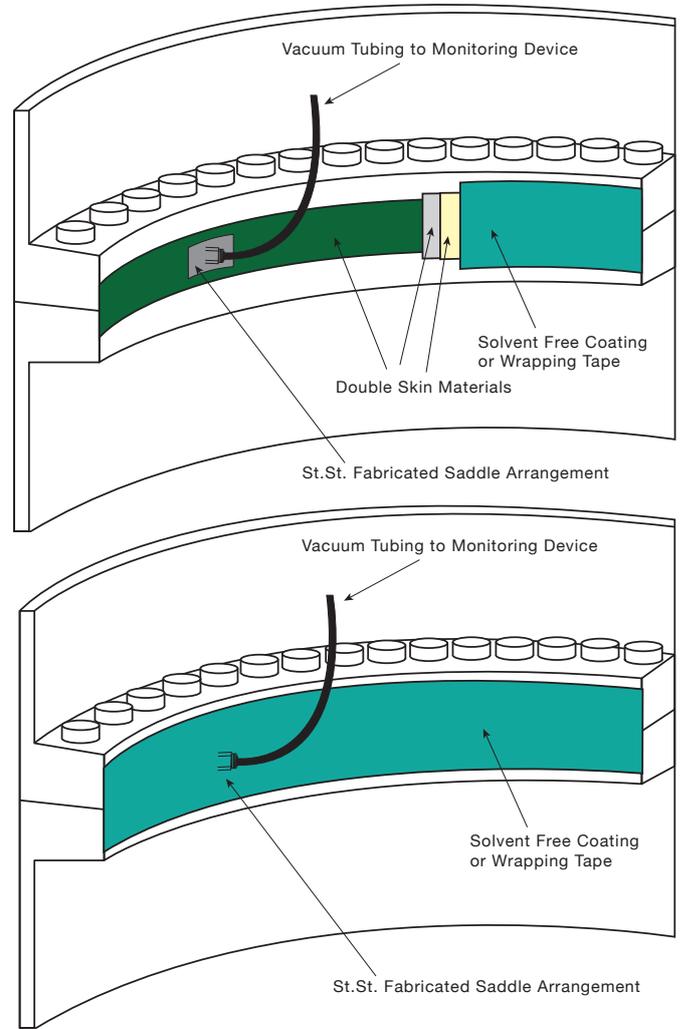
This environmentally friendly system utilised vacuum technology to monitor a storage tank internally, protecting the steel and weld joints from corrosion, providing peace of mind to operators that no stored product can leak and pollute the environment via a structural failure of the storage tank.

Fuelvac® has saved our clients both time and money as it protects the weld within a vacuum, providing monitoring 24 hours a day, 7 days a week, 365 days a year.

## What does Wind Turbine Joint Monitoring do?

It acts as an early warning indicator, allowing operators to investigate any alarm before a catastrophic failure of the structure occurs.

## Vacuum monitoring on turbine internal bolt arrangement



## The benefits of Wind Turbine Joint Monitoring

- 24/7 monitoring of critical joints.
- Acts as an early warning indicator, allowing operators time to take action before failure occurs.
- Protects critical bolt arrangements from corrosion.
- Monitors any fatigue to joints from cyclic loading.
- System is quick to install on location.



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