

ST LIVE DAYS

**AI solution for Water Pump motor monitoring
using ST Partner Octonion's technology**



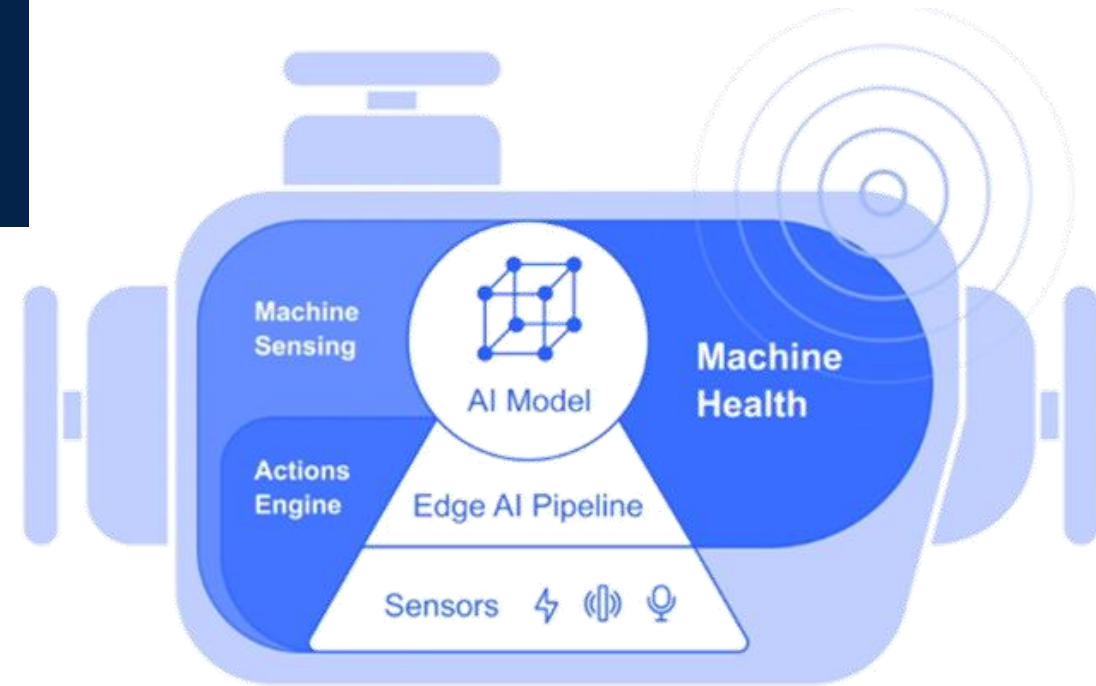
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Machine Health for water pumps installed in facilities

Anomaly detection notifications to improve customers user experience

Anomalies dataset not needed to adapt Octonion's ML algorithm

Mature connectivity and cloud dashboard to ease the visualization



Octonion



Machine Intelligence software expansion for STM32Cube

By  Octonion

Start your own predictive maintenance application with:

- ✓ Recognize machine states and detect anomaly based on 1D/3D digital accelerometer
- ✓ Unsupervised AI model creation and inference in the microcontroller
- ✓ Pattern recognition algorithms to cover low and high-stationary machines
- ✓ Easily portable across all STM32 MCU families

Running on STWIN



Download the dedicated [SW package](#)

STM32 solutions for AI

Leverage the power of Edge AI



Powerful ecosystem

Visit st.com/stm32cubeai



ST AI
Expert team

ST AI Expert team

AI co-development partnerships

Contact us at edge.ai@st.com

Partner
Program



Meet our expert partners

Visit [Octonion partner web page](#)

To learn more about the solution



Chat online with Edge AI experts during
ST Live Days (Nov. 19th)



- Miguel Castro
- Raphael Apfeldorfer
- Pierrick Autret



- Ongan Mordeniz
- Joelle Forest
- Andrei Sheleh

Thank you

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