

SAP LIQUID STUDIO FOR LEONARDO APPLICATION: FIELD FORCE DRONE

Inspecting through a new lens

Function: Asset Monitoring | Process: Security | Industry: Utilities
Agriculture, Security

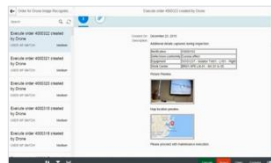
Application Overview

In many industries, inspecting assets and equipment such as power lines, solar plants, mining or farming sites only through the human eye takes a great deal of time, risk and money. Flying helicopters for inspection rounds is costly and dangerous. Spotting and tackling issues in real time is often not even possible.

The Field Force Drone application from the Accenture Liquid Studio for SAP Leonardo sees things differently. It is a new and innovative approach to remote inspection that unlocks new value by applying computer vision and machine learning to detect and localize potential issues, increases inspection capacity, safety and efficiency, and reduces issue response time and cost.

Solution

The Field Force Drone application combines drones, IoT, video analytics and machine learning to provide real-time data to automatically detect, trace and localize potential defects. The use case is for utilities, but the technology can be extended to many industries that can benefit from real-time video analytics. These include agriculture, retail, oil and gas, and crowd monitoring.



Business Value

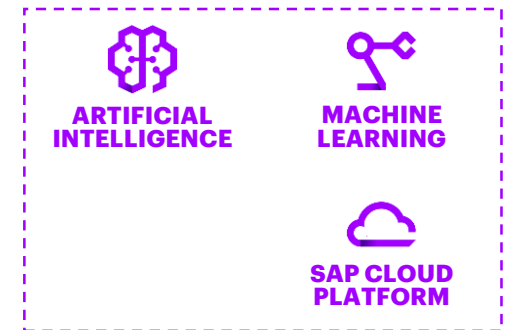
- Enables a utility to increase network and inspection coverage.
- Reduces risks and costs of power line inspections.
- Enables an organization to react in real time when an issue or defect is identified.

Features

- Applies real-time video analytics and machine learning.
- Provides full integration with the back-end SAP system for service ticket creation.
- Enables remote monitoring.

Technologies in Use

- SAP S4/HANA®
- SAP Leonardo Machine Learning
- SAP Cloud Platform



[Click here](#) to watch the video.