

## General

The Industry4.0 revolution, accelerated by the COVID-19 pandemic, created an increased demand for various sensor-based platforms that enable gathering data on the product's health to increase efficiency, reduce downtime and improve the capability to debug problems or malfunctions.

With traditional sensors providing only partial information on the current condition of a component, **ScoutCam** takes fault detection and prediction to the next level. Leveraging the use of its field-proven visualization sensor, customers in varying sectors (manned and unmanned aviation platforms, energy plants, wind turbines, railways, etc.) now can have eyes within the heart of their systems and platforms, enabling them to see and monitor areas which were never previously accessible. In addition, proprietary AI algorithms are at hand to provide alerts on faults and damages, follow their trend of development and predict a machine's impending downtime.

## Cutting-edge technology optimized for CBM and PdM

Pioneering the use of its visualization and AI platform, **ScoutCam's** Camera-as-a-Sensor™ technology, accompanied by specialized trained AI models, is being deployed in hard-to-reach locations and harsh environments, across diverse Predictive Maintenance (PdM) and Condition Based Monitoring (CBM) use cases. **ScoutCam's** platform allows maintenance and operations teams visibility into areas that are inaccessible under normal operation or where the operating ambience is not suitable for continuous real-time monitoring. This rich and informative data is continuously collected and analyzed on our secured cloud, providing customers access to both raw data as well as processed insights and analytics while perpetually training our algorithms for improved accuracy and prediction capabilities.

**ScoutCam's** platform is deployed across multiple Industry4.0 markets, including: aviation, energy, mobility and transportation, and medical sectors. Our platform's resilience to extreme conditions (such as: temperatures of -127°C to +100°C, radiation, vacuum and vibrations) has been successfully demonstrated in a variety of environments, including outer space during NASA's Robotic Refueling Mission (RRM3) outside the international space station for four consecutive days. Additional customers include Rolls-Royce, Westinghouse, Israeli Air Force and the largest Fortune 500 medical company.



## Enabling PdM Implementation in Industry4.0

Just like the eyes are windows to the (human) soul, **ScoutCam's** platform enables users a window into the depth of their products. Then, our patented algorithms analyze and translate this data into insights used as part of the product's predictive maintenance program. The ROI achieved is compounded of several layers:

- Minimizing time to problem identification and analysis through product/process inner examination and inspection
- Significantly reducing unplanned downtime and the associated cost of product/process disabling
- Efficiently planning maintenance work and schedules
- Limiting unnecessary parts' replacement and improving spare parts management
- Increase durability and safety, thus lowering the risk of accidents and potentially saving lives

## About ScoutCam

**ScoutCam** is a global leader providing innovative, custom-tailored visualization solutions to organizations across numerous industries based on small and highly resistant cameras, patented AI algorithms and supplementary technologies.

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**ScoutCam's** team of professionals and experts span multiple technology fields, including hardware and software engineering, data science, product, operations and industrial design.