Odysight AI
(former scoutcam)

From Sensor to Insight Industrial Applications

Odysight[AI] is a global leader providing innovative micro-visualization solutions based on small and highly resistant sensors, multilayer analytics and cloud based IoT for effective diagnostic and predictive maintenance of critical systems health monitoring.

Our Technology

Industry4.0 optimize operational time and overall efficiency, prevent malfunctions and reduce unplanned downtime. Odysight[AI] innovative solution provides high-resolution visualization, advanced AI analytics, tightly packaged to fit hard to reach places and withstand harsh environmental conditions. Odysight[AI]'s Technology enabling decisions support for critical faults and anomaly detection based on AI/ML, creating the base of condition-based monitoring and predictive maintenance.

Sensing

- High resolution sensors with integrated illumination
- Predefined set of cameras managed as COTS products
- Comply with majority set of applications
- Customer flexibility - build to spec

Processing

- Modular & open system architecture
- High Performance Embedded AI computing
- COTS solutions - technology & roadmap
- Low SWaP and cost- effective
- Certifiable

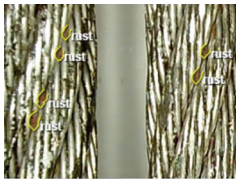
- Faster root-cause analysis
- Minimize downtime
- Reduced costs
- Avoid unnecessary maintenance
- Know-how

Applications

- Failure modes analysis - know how
- Multiple failure detection applications
- Generic anomaly detection capability
- Big data trend analysis & fleet management• Advanced failures Simulation & digital twin models

Key Benefits & Features

- Extremely small visualization technology (down to 1mm) operating in extreme temperatures and other harsh environmental conditions
- Robust in significantly high vibration environments
- Proven radiation durability
- Support for common industrial standards for visualization solutions
- Saving on machine-maintenance costs resulting from advanced Industrial 4.0 predictive maintenance strategy and tiny critical components
- Integrated methods that combine process, climate and cost insights
- Long lightweight cable structures, designed for long distance signal transmission
- Wireless transmission, zero-latency capability
- Integral illumination (F.O or L.E.D) for high-quality imaging
- Audio and video options along with high-end video
- processors for high-quality live-streaming
- Micro CMOS sensors, proprietary and off the shelf, high resolution from 40k px to HD
- Proprietary optic designs and micro-lenses assembly
- Task-specific tools for procedures relevant for the industrial world



Cable Health Monitoring

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