



 Odysight^{AI}

The power of **vision**

We **see** what others do not.

We **perceive** what others cannot.



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The World's First Maintenance Platform Powered by Visualization and Artificial Intelligence



Specialized Solutions: Providing video sensor-based AI solutions for critical applications in aviation, transportation, and energy sectors, traded OTC (OTCQB: ODYS)



Proven Technology: Has been used by NASA for space applications and Fortune 500 Medical Device Company for minimally invasive spinal procedures



Intellectual Property: Complete development and ownership of IP (visual sensors and AI algorithms) by Odysight.AI



Industry Standard: Odysight.AI aspires to create and become the ICAO and FAA mandated standard for the Aerospace industry



Expert Team: Experienced professionals with established relationships and credibility among key clients



Commercial Success: Our system is installed on Boeing, Lockheed Martin, Elbit platforms and we are already targeting industry 4.0 clients enhancing their sustainability



Market Potential: A Total Addressable Market (TAM) exceeding \$10 billion for systems currently operational growing to \$60bn by 2030

Our Management Team Members



Yehu Ofer

CEO

Colonel (res.) Pilot and Commander, IAF, formerly filled various executive roles at Elbit Systems, leading major full-scale R&D programs



Jacob Avinu

Senior VP
Product Portfolio

Formerly Chief Engineer of HMDs & Sensors Advanced Capabilities R&D Group, Aerospace Division, Elbit Systems



Eli Israeli

CTO

Formerly CTO at Gadfin, Director of R&D and Program Management at IAI and Israel MoD



Ido Molad

VP R&D

Formerly VP R&D at Ecoppia Scientific (TLV:ECPA)

Our Directors



Prof. Benad Goldwasser



Mori Arkin



Jackson Schneider



Inbal Kreiss



Nir Nimrodi



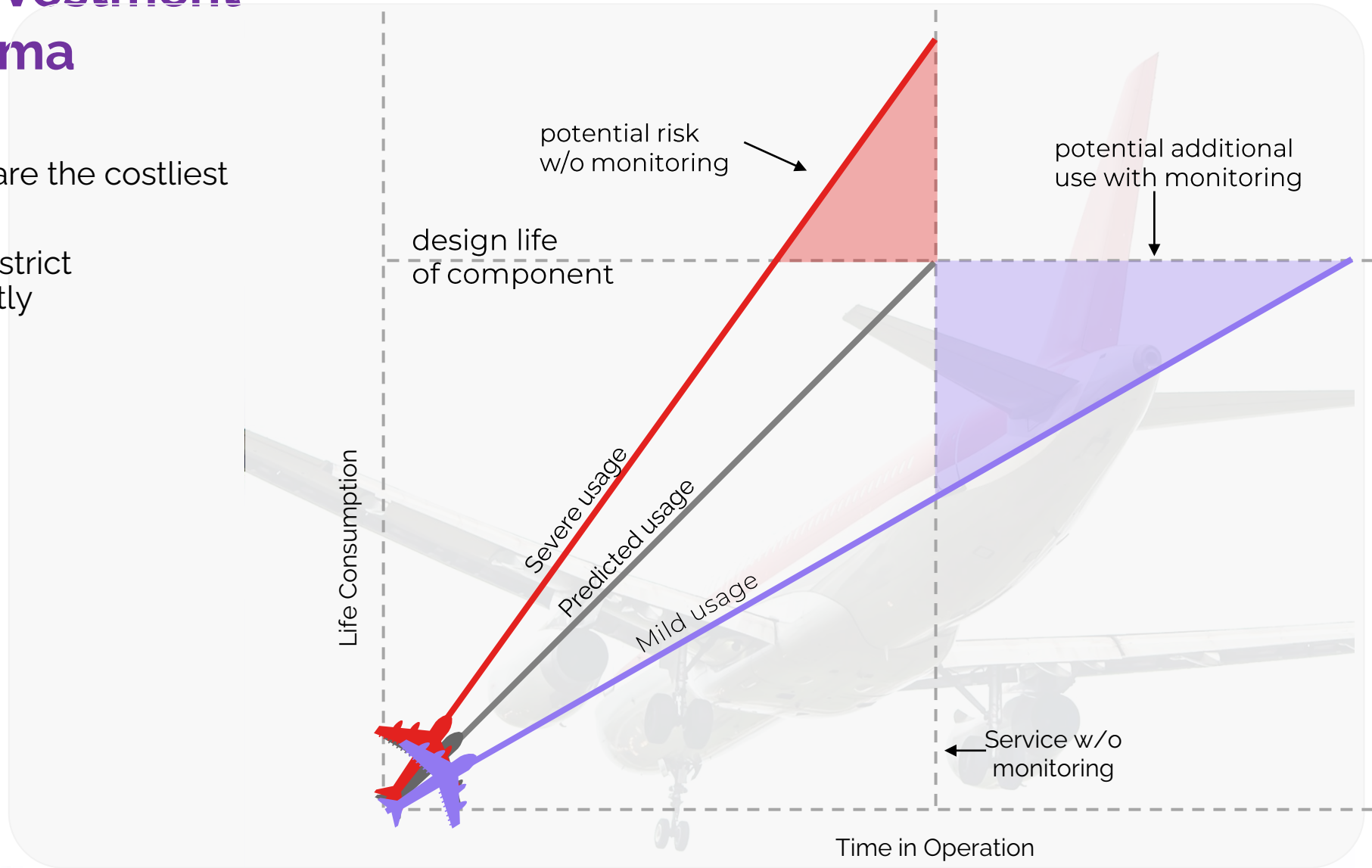
Zeev Vurembrand



Ronit Rubin

Aviation's Overinvestment VS. Safety Dilemma

- > Accidents and downtime are the costliest aspect of aviation.
- > Maintenance is subject to strict regulations leading to costly over-maintenance.



Leading the Revolution Towards Safer and Smarter Aviation by Pioneering Visual Sensing and AI-Based Video Analytics

01

Our technology enables to see and perceive insights that no one else can

02

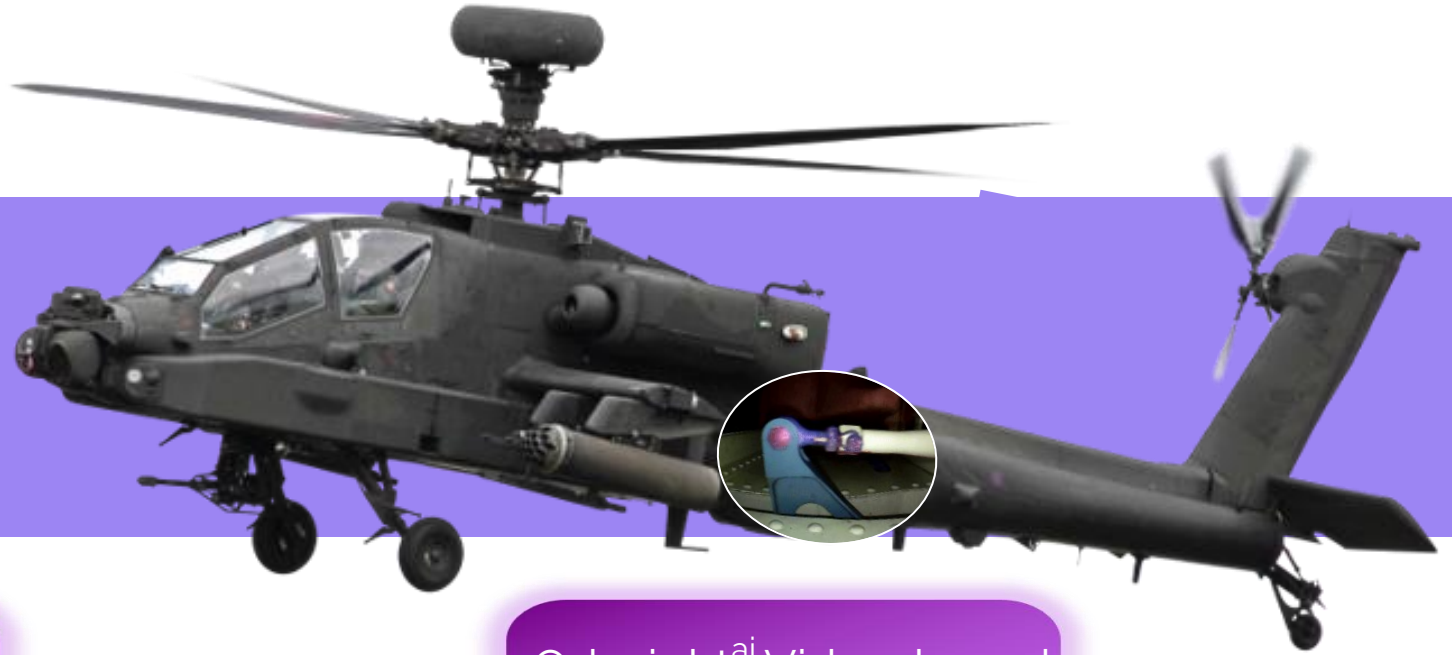
Preventing critical safety events before they occur

03

Improving operational availability



Case Study: IAF AH-64 PP-Rod Monitoring



Problem: Class A Accident

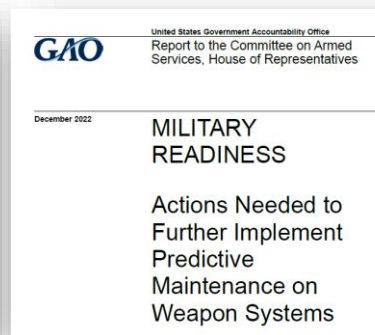
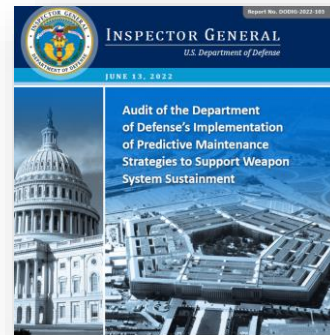
- > Loose safety nut causing fatal crash
- > Hidden behind fuel tank and rarely inspected
- > Loss of human life and \$100m platform

Odysight^{ai} Video-based Sensor POC Solution

- > Monitor and measure size/number of threads using trained AI models in real-time
- > Platform automatically re-engages during out-of-sync event

US DOD Spends ~\$90b Per Annum on Weapon Systems Maintenance

- > The Inspector General of the US DOD has mandated the use of **predictive maintenance**
- > The Goal - Improve weapon systems **operational availability**
- > The Solution – Odysight.AI's **PHM system** using visual sensors, data analytics, and AI algorithms



From Manual to Autonomous Aviation Maintenance



Legacy Aviation Maintenance



Manual & Scheduled Maintenance Procedures



Odysight.AI Vision-based Assisted Maintenance



Odysight.AI Cloud-enhanced Maintenance-as-a-Service



Odysight.AI Autonomous Vision Maintenance

Autonomous Next-Generation Maintenance

Transitioning aviation from legacy maintenance solutions to AI-driven maintenance solutions

| Our Value Proposition



Increase Safety



Lower Downtime



Spare Parts
Management



Implement Predictive
Maintenance



Insights

Odysight^{AI} System Architecture

Fully Integrated Solution



Odysight^{AI} Processing Unit
collecting/processing
/detecting/ recording
up to 20 cameras



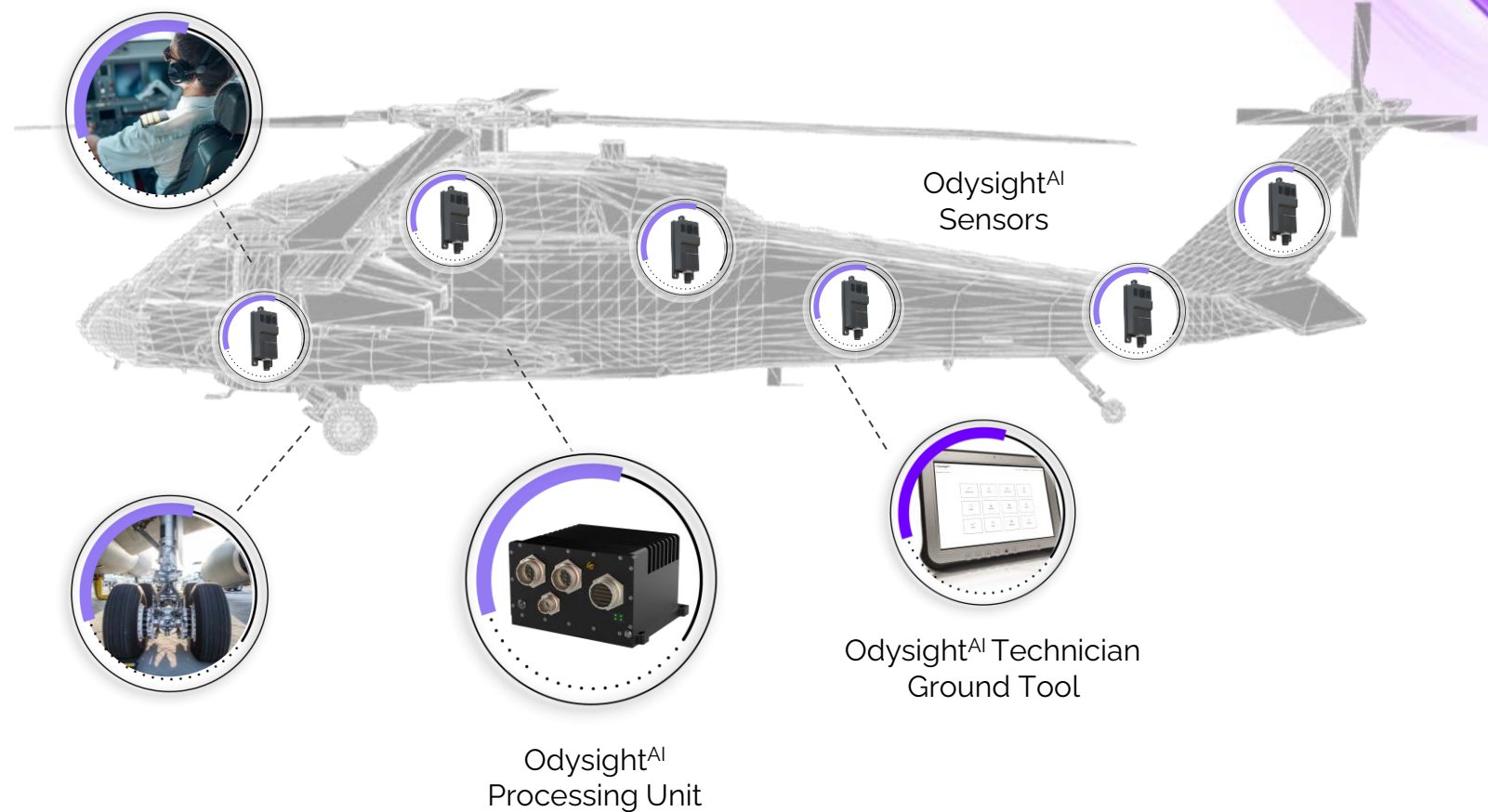
Multiple visual sensors
integrated in hard-to-reach
areas monitoring safety critical
elements



Cloud computing & services:
- Send data and insights
- Upload algorithms and software
- Fleet Management



User/Technician Dashboard



Odysight^{AI} Solution

Strong IP Protection

- USA
- Israel
- Australia
- Brazil
- Canada
- China
- Europe
- India
- Japan
- Korea
- Singapore

Worldwide patent protection

16

Granted patents worldwide

5

Patent families related to imaging technology

16

Patent families

11

Patent families in the Predictive Maintenance field

Our Multi-Vertical Expansion Plan

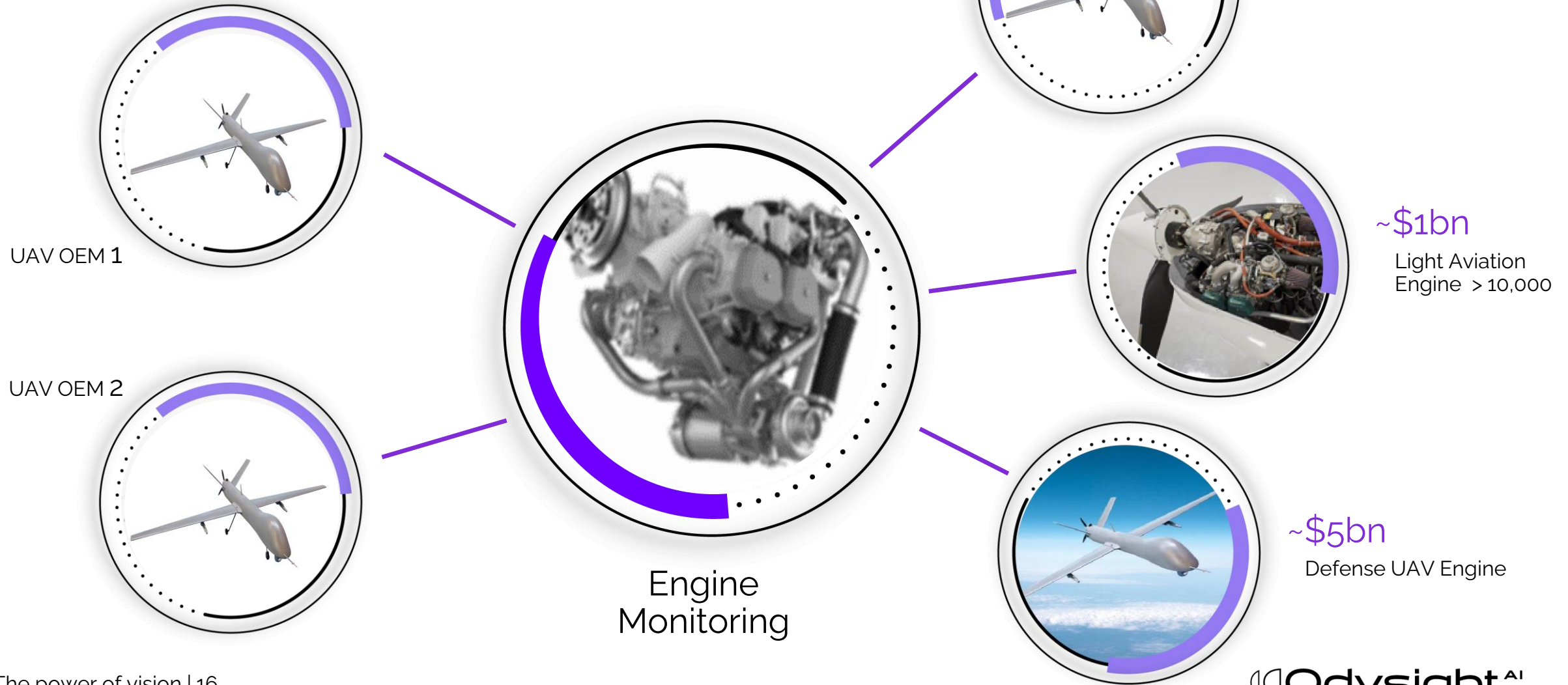
From aerospace & defense to transportation industries, Odysight.AI provides solutions to safety critical verticals.

The addressable market is projected to grow at 30% annually from \$8bn in 2023, reaching \$60bn by 2030.

Global Predictive Maintenance Market
Market is forecast to grow at a CAGR of 30%



Potential UAV & Engine Market Categories



Near-Term Growth Strategy

Platform	System	Global Installations	Odysight Potential TAM
UAV	UAV engine	175,000 engines	> \$8bn
UAV using jet engine	UAV jet engine	> 50,000 engines	> \$9bn
Helicopters	Single point of failure systems	> 5,000	> \$1bn
Locomotives	Single point of failure systems	> 100,000	> \$2.5bn



Thank You.