



MISSION READINESS NEEDS MAINTENANCE READINESS

Oliver Grass, CEO | March 11th 2026

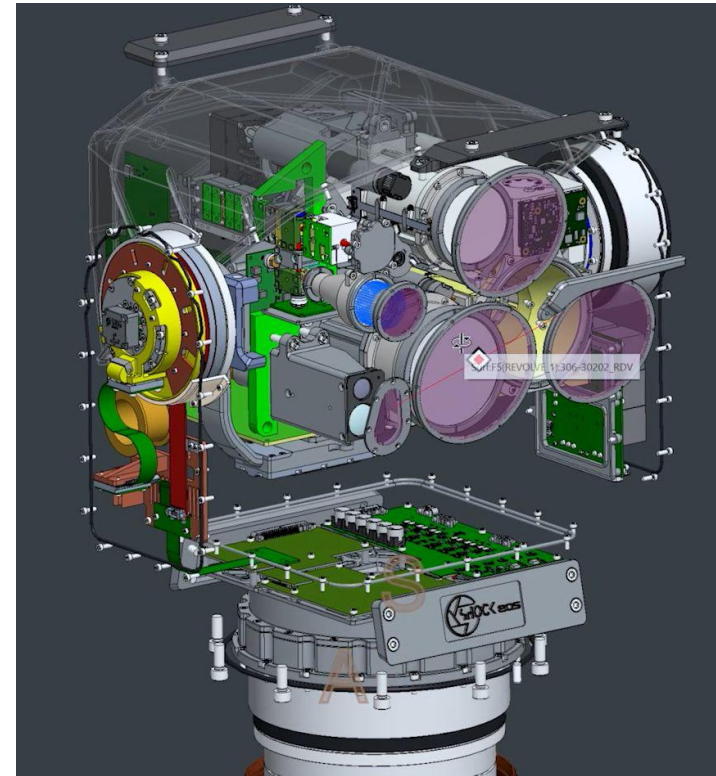


**GREAT SYSTEMS.
SERVICE BOTTLENECKS.**

WHAT DRIVES MAINTENANCE EFFORT

High heat loads, calibration drift, contamination, and complex integration — the main sources of downtime and service workload.

- Radar / LIDAR: Cooling of modules & Calibration requirements
- Control electronics: thermal load capacity (Validation of function before and after use)
- Optical systems: contamination, cooling; esp. stirling coolers & adjustment (Assemblify's core competence)
- Battery systems: condition of batteries, replacement & reassembly, emergency power systems
- Sensor Fusion Systems (high complexity)



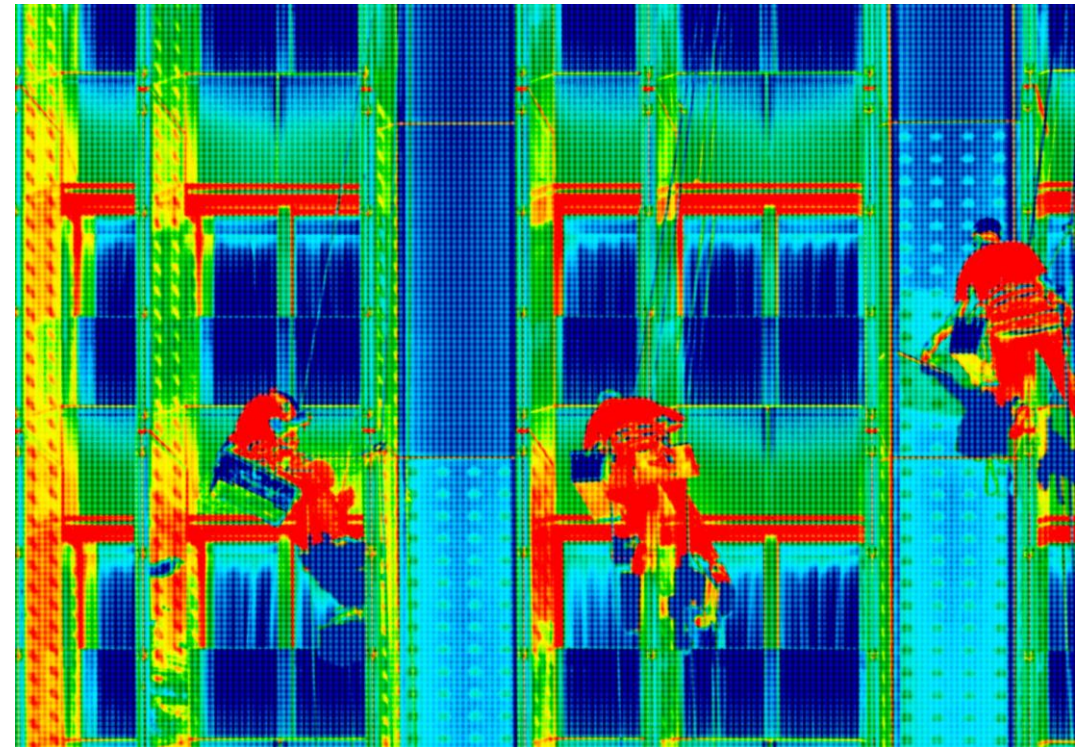
EXTREME CONDITIONS. ZERO TOLERANCE FOR DOWNTIME.

Environment, shock, and long standby periods degrade performance
— yet readiness must be instant.

Defense components are exposed to extreme stress:

- Environmental conditions such as humidity, temperature swings, and salt accelerate wear and degradation.
- Shock and vibration can shift alignment and drive (re-)calibration needs.
- Long storage and standby periods create their own risks. Systems still have to be ready to perform at short notice.

**Mission readiness requires functional availability
at any moment.**



DEPLOYMENT AMPLIFIES SERVICE WEAKNESS

Why now?

Global conflicts drive short-notice deployments and rapid shifts in operational needs. That requires immediate availability – and systems that work every time.

1. **Complexity** (optics / mechanics / electronics / software / test)
2. **Capacity** (uneven load: ramp-up + intervals + operational spikes)
3. **Logistics friction** (routes, import/export, “stuck somewhere”)

Early-life failures + recurring intervals → workload peaks





**THE SOLUTION:
A REPEATABLE SUSTAINMENT WORKFLOW.**



INTEGRALE ELEKTRONIK-
ASSEMBLIERUNG.

A large elephant is shown floating in the air against a clear blue sky. The elephant is suspended by a cluster of red balloons attached to its back. The scene is a visual metaphor for the company's slogan.

ASSEMBLIFY® YOUR PROJECT!

Looks heavy. Isn't.

WHY ASSEMBLIFY?

Let OEM teams focus on development – while we make sustainment predictable and executable.

OEMs should focus on what they do best: developing systems and bringing them to market.

Maintenance demand is hard to predict. Service cycles create workload peaks that either tie up scarce engineering capacity or extend turnaround times.

ASSEMBLIFY specializes in sustainment and connects the interfaces end-to-end, including dual-use and military logistics. We support electro-optical systems, opto-mechatronic systems, and complex mechatronic assemblies.

TURN SUSTAINMENT INTO A SCALABLE CAPABILITY.

Shift peaks, complexity, and dual-use logistics to a specialized partner.

- Lower lifecycle costs (specialized equipment and infrastructure handled externally)
- Reduced OEM lock-in (more freedom in sustainment decisions)
- More flexible spare-part strategy and redesign options when supply chains change
- Load balancing shifts to the partner (capacity peaks handled without internal overstaffing)
- Vendor-independent replacement can shorten lead times
- Dual-use and licensing logistics handled externally (less compliance overhead)



SHORTER CYCLES. FEWER BARRIERS. HIGHER UPTIME.

Defense / dual-use needs speed without compliance chaos.

EU/NATO proximity: shorter cycles, less admin overhead

Single accountable interface: fewer handoffs

Procurement reality: *already vendor-listed at many organizations* (faster access to POs)

SCD: European-based maintenance/support center



THE POWER OF COOPERATION.

Cooperation turns capacity into a shared advantage: faster response, stronger resilience.

EPIC Market Report shows that companies with shared services are more resilient.



Source: **CINTELLIC**
CONSULTING GROUP

→ Let's talk right after this session or come for a visit.



THANKS.