Edlore:
AI/MI Conversion of Legacy Tech Data to 3D and Interactive Maintenance Platform

NCMS Technology Showcase
Puget Sound Naval Shipyard

PROBLEM STATEMENT

Despite the rapid advancement in industrial and technical operations, complex equipment service and maintainers often grapple with cumbersome manuals, scattered asset data, and lack of real-time expert assistance. This disjointed information flow increases operational downtime and raises the margin for error. Edlore addresses this pressing challenge by seamlessly integrating AI-driven insights, 3D interactive manuals, and hands-free wearable technology, ensuring precise, efficient, and on-demand data accessibility for professionals in the field.

BENEFITS

Empowering maintainers with immediate access to AI-enhanced, 3D interactive guidance, reduces operational errors and downtime. By unifying knowledge, expertise, and real-time tracking within a mobile and wearable interface, we ensure every task is executed with precision, speed, and confidence, transforming the way industries operate and setting a new standard for efficiency and accuracy.

The benefits of using Edlore are:

1. More efficient on-board service and repair.
2. Never miss regular PM Maintenance.
3. Access to device parts metadata and ability to possibly print the component on board.
4. Gathering field data from service and repair.
5. Mobile and handsfree operation.

TECHNOLOGY SOLUTION

Edlore technology solutions, transforms equipment maintenance processes with a comprehensive platform. Leveraging mobile and desktop devices, it provides streamlined access to manuals, interactive exploded view 3D visualizations, real-time expert support, and data analytics. By incorporating cutting-edge technologies like AI and ML, it enables proactive maintenance practices, minimizes downtime, and optimizes schedules. The solution empowers maintainers and organizations to achieve higher efficiency, safety, and cost-effectiveness in their equipment maintenance operations.

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