CAE+TEMPO™

Immersive Virtual Procedural Training Solution

Overview

Maintaining and operating complex machinery, equipment and systems in today's dynamic operational environment is critical to mission success. Knowledgeable and highly skilled personnel are crucial to maintaining assets. To pace the ever-increasing operating tempo, solutions to ensure maintenance and repairs are well executed in a timely manner are key. CAE+TEMPO is an innovative procedural training and operational support system to facilitate and improve training, at point of need.

Maintenance Training and Operational Support

CAE+TEMPO is a fully integrated maintenance solution providing the right fidelity for each phase of training. Constructed with fully immersive and interactive 3D graphics, technicians have access to advanced courseware, including current technical material, schematics and specification data.

+TEMPO provides step-by-step procedural guidance for a highly realistic, interactive learning experience that can be used for a range of purposes. From initial familiarization through advanced troubleshooting and theory of operation, users are now able to use interactive, virtual platform-specific models for a complete learning experience either in physical or remote virtual, classrooms.

CAE+TEMPO is a field-proven and multi-modal virtual procedural guide providing high fidelity point-of-need training and operational support.
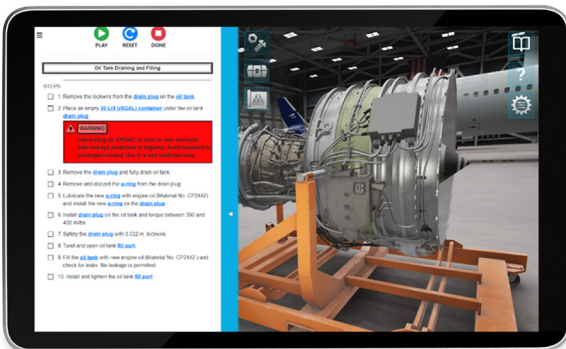
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Overview

> Media and familiarization using animated walk-throughs

> Focus on learning procedures by interacting with the virtual environment

> Evaluation mode enables a real-world virtual simulation of performing procedural tasks, disabling the assistance available in the previous modes

> Ongoing operations support allows for a refresh of infrequent, complex tasks including full task rehearsals and contextual troubleshooting

> Delivery methods include stand-alone devices, premise-based cloud or commercial cloud-based solutions

CAE**+TEMPO** offers 3D virtual reality capabilities for an enhanced immersive experience and/or augmented reality capacities for interaction with real, physical models and equipment. Training and maintenance can be conducted via a VR headset, tablet, PC or touchscreen.

CAE Immersive Maintenance Guide (IMG) for Aviation Maintenance

A fully integrated aviation maintenance solution provides technicians access to the most current operational flight profile data and Interactive Electronic Tech Manuals (IETMS) data. Concurrency updates to technical data are automatically pushed to user utilizing a cloud-based version.

CAE's **+TEMPO** maintenance training suite has proven results, yielding a 42% increase in maintenance task proficiencies when compared to traditional training methods during a USAF operational assessment.

CAE**+TEMPO** Supports

Increased throughput:

> Reduces reliance on physical training devices
> Alleviates instructor workload

An integrated Learning Management System (LMS)

> Student progress is monitored, tracked and displayed through proficiency reports

Integration with logistics management systems for inventory management

Automate maintenance paperwork and action logging reducing downtime for personnel and equipment

Sophisticated, rules-based engine for:

> Continuous monitoring
> Performance assessment
> Remediation
> Reduced physical resident course length, advances depth of training through remote pre-qualifying, re-certifying and training

Multi-level remote support and assistance in field operations: voice, video, media, and telestrations transmission

CAE**+TEMPO**

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