

# CAE C-130 Aero Medical Trainer



## Overview

Military aeromedical evacuation and air ambulance crews need to be prepared to handle a range of patient medical issues that may occur in-flight. Crews also need to be proficient in aircraft systems and operations to ensure safe patient transport and mitigate complications in normal or emergency situations. With governments facing constrained budgets, the high cost of operating actual aircraft and the desire to use aircraft primarily for operational missions, militaries are turning increasingly to cost-effective simulation-based training to ensure preparedness and readiness. The legendary C-130 Hercules transport is used extensively by militaries around the world for a range of airlift and tactical transport missions, including aeromedical evacuation and air ambulance operations. To address the training challenges and requirements for aeromedical evacuation, CAE has developed the C-130 Aero Medical Trainer as part of a comprehensive training solution.



crews will operate in when performing aeromedical evacuation missions. Realistic, high-fidelity human patient simulators from CAE Healthcare can be included as part of CAE's C-130 Aero Medical Trainer. A hand-held, wireless tablet instructor operator station provides the instructor with full control of the training environment and the ability to customize a variety of training scenarios. Aeromedical evacuation courseware and curriculum along with the capability for CAE to provide

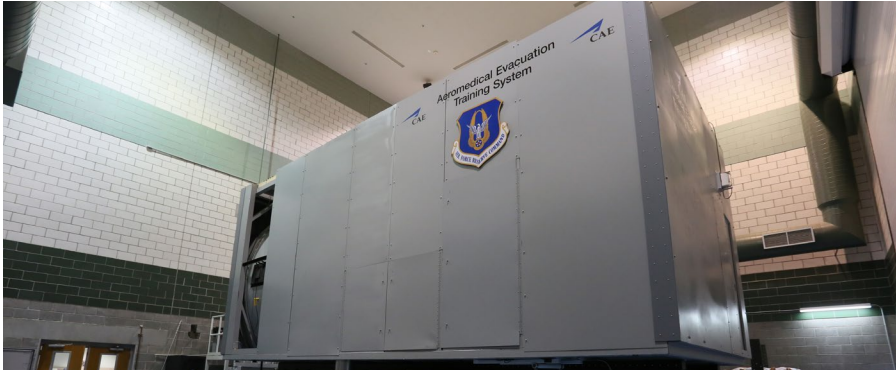
instructors are options that can be added as part of this fully integrated C-130 Aero Medical training system.

## CAE's C-130 experience

No other company has designed, developed and delivered more training systems for the C-130 Hercules aircraft. CAE has experience developing a range of C-130 training devices, including full-mission simulators, avionics trainers, cockpit procedures trainers, maintenance training devices, and fuselage/loadmaster trainers. In addition, CAE owns and operates the only independent C-130 training center where C-130 aircrews and maintenance technicians from over 20 countries conduct annual training. CAE has leveraged its experience developing C-130 fuselage trainers for the U.S. Air Force, Royal Air Force, Royal Canadian Air Force and others in the development of its C-130 Aero Medical Trainer.

## CAE C-130 aero medical trainer

The CAE C-130 Aero Medical Trainer is a high-fidelity replica of the C-130's fuselage specifically configured for aeromedical training scenarios. The training device incorporates both real and simulated aircraft parts and systems to replicate the environment



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## Patient simulators

CAE is a global leader in medical simulation and training technology. CAE Healthcare, formed following the acquisition of METI and now a division of CAE, designs and builds products for patient simulation, surgical simulation, ultrasound simulation and clinical simulation management. Militaries around the world are users of CAE's patient simulators, including iStan, METIman, Caesar and others. The U.S. Air Force currently has more than 400 CAE human patient simulators used for a variety of medical training programs. As part of the C-130 Aero Medical Trainer, CAE combines the world-class patient simulation products offered by CAE Healthcare to create an integrated, realistic aeromedical evacuation training environment.

### Key features

- Aeromedical evacuation pre-flight, in-flight, post-flight and emergency procedures;
- In-flight patient care training scenarios for both routine and emergency situations;
- Human patient simulators;
- Fully-functional communication system for crew coordination;
- Aural cue sound simulation system;
- Easy-to-use instructor operator system featuring touch-screen tablet computer.

The CAE C-130 Aero Medical Trainer is part of a comprehensive, turnkey aeromedical and air ambulance training solution that enables militaries to conduct realistic training in a cost-effective, simulation-based environment.



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