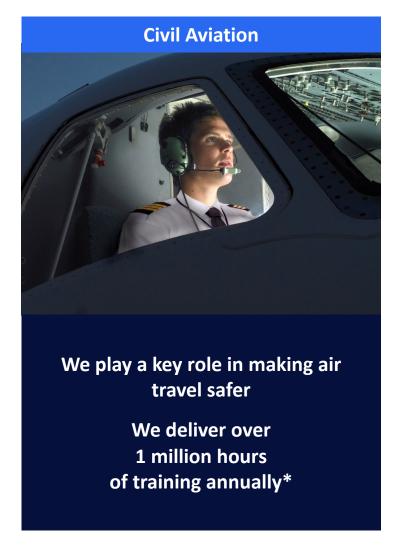
Applied AI to support a sustainable and safe future in Aviation and Defence

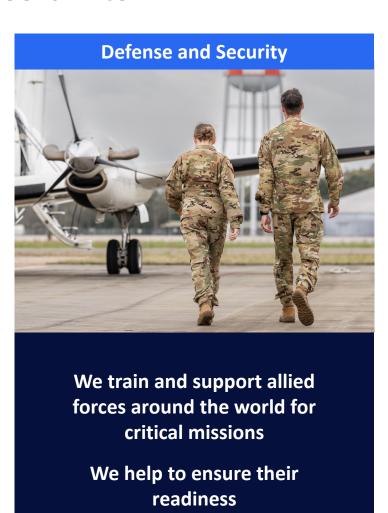
Abha Dogra, Chief Digital & Technology Officer

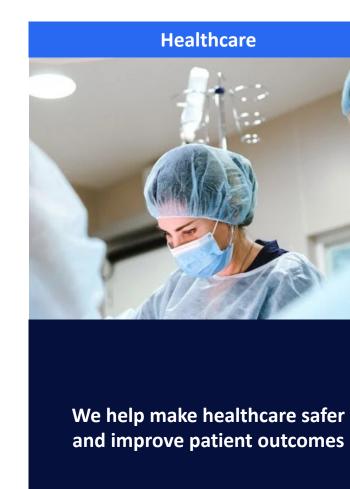
April/19,/2023/



CAE is a world leader in training and operational support solutions with three core business units







CAE learning enablement platform

CAEALE



Real-Time Coaching & Feedback



Gaze Assessment



Cognitive and Affective States

Covering the whole student journey



Fully scalable / Synthetic Coach / Holistic assessment / Adaptive training / DevSecOps enabled



Digital Classroom



Virtual Reality SPRINT



Mixed Reality Training Devices MRTD



Flight Training Devices



Full Mission Sim

CAERise





Real-time Insights Across Competencies & Syllabus



Highly Diagnostic Performance Visualizations





Flight Operations Solutions



CAE Flight Operations Solutions in numbers

Solutions to manage and optimize flight plans, crew planning, airport and airline operations

Every day:

22k flight plans generated

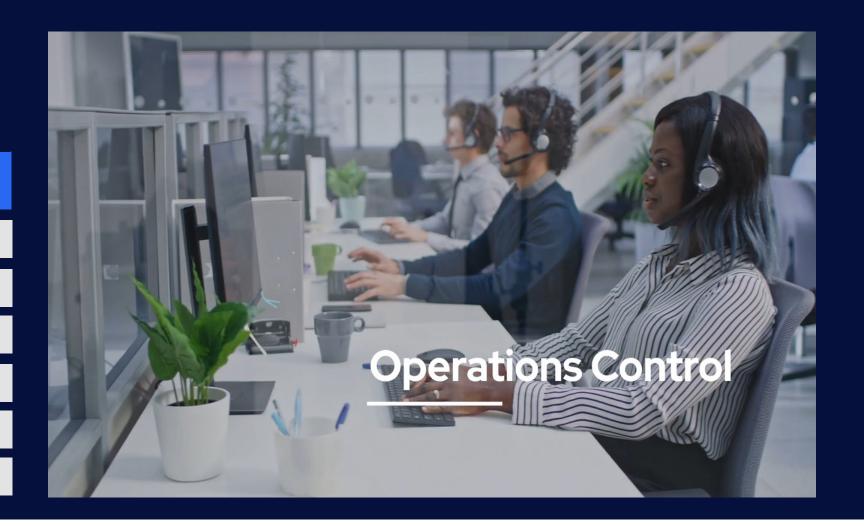
200k crew and 20k airport staff

140k flights tracked + monitored

7,000+ aircraft managed

1M+ meals served onboard

1.7M crew touch-points





AI/ML to improve management of airline connected environment



Predicting delays





Enhancing crew productivity



Predicting food wastage and shortage



Anticipating disruptions



Ensuring compliance, increasing user productivity and operational efficiency

Whatever the unexpected, our solutions help customers make intelligent decisions and manage disruptions quickly and efficiently, thanks to AI



Advanced Air Mobility



Fostering AI towards the Successful Future of Air Mobility

700MXR Mixed Reality Flight Simulator

Unlimited FOV out-the-window visual



High scene density in urban environments



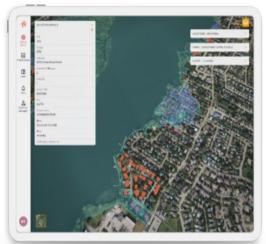


Al-enabled Decision Making



Planning for the future with Digital Twins

- Simplifying planning for complex AAM infrastructure and operations
- Minimizing uncertainty and answering the "what-ifs"



Next-gen Flight Operations

Optimizing and adapting for shorter mission cycles

Automating key decisions in real-time, to reduce humanerror and enhance safety in our urban skies



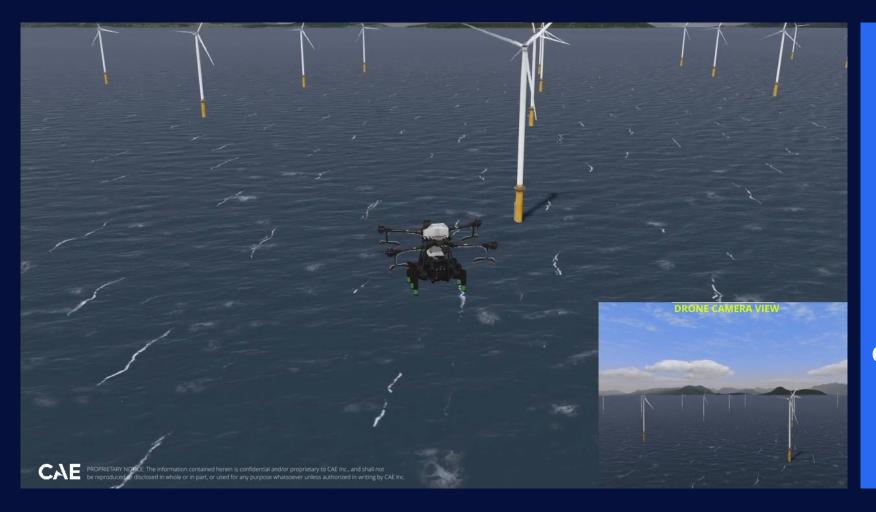
Dynamic Digital Twins



CAE's Dynamic Digital Twins: A Layered Approach



Digital Twins for Testing Next Generation Offshore Wind Maintenance Solutions



Reducing risk and improving efficiency associated with inspection and maintenance of offshore wind turbines



Enabling end-to-end operations and Applied AI-driven decision making capability

Our holistic solutions provide knowledge and confidence for those navigating complex environments around the globe to:

Train their personnel **for any situation** with cutting-edge technology

Optimize their critical operations solutions



















Unleashing the power of technology to make the world safer



Thank you!

