HIGH FIDELITY FULL MISSION SIMULATOR

- EASAE, CASA and FAA certifications
- Zero flight time recurrent training
- Outstanding realism for mission training
- In service around the world

REALITY H

Helicopter Full Mission Simulator
Advanced helicopter simulator for mission-oriented training leading to enhanced operational efficiency.

**MISSION READY**
- Off share (Oil & Gas)
- Search and Rescue (SAR)
- Emergency Medical Services (HEMS)
- Nap of the earth (NOE)
- Mountain flying
- Maritime environments
- Demanding weather conditions
- Urban or Confined areas
- Aerial work
- Night Vision Goggles (NVG)
- Emergencies and Crew Management

**RECONFIGURABLE**
- Range of available helicopters
- Easy exchange of helicopter type

**REALISTIC MODELLING**
- Level D compliant simulator software
- Blade element theory rotor model
- OEM or in-house datapackage collection

**INNOVATIVE MOTION SYSTEM**
- Unique full electrical 6-axis motion
- High accuracy and smoothness
- Vibration cueing

**EXTREMELY RELIABLE**
- Reduced life cycle cost
- Support services package

**ENVIRONMENTALLY FRIENDLY**
- Reduced building envelope
- Reduced power consumption

**AVAILABLE CERTIFICATIONS**
- FFS Level B and FTD3 (EASA) / FTD 6 (FAA)
- FFS Level D EASA / FAA / CASA
- Ready for ICAO 9625

**HIGH TRAINING CREDITS**
- Pilot Training PPL(H) / CPL(H) / ATPL(H)
- Type rating / initial and recurrent
- Line of Flight Training / Line Checks
- Single and Multi Pilot ratings
- Multi-engine rating
- Instrument Rating
- Operator Proficiency Check
- Multi Crew Coordination and CRM
- Operator Specific training

**FULL INSTRUCTOR CONTROL**
- Forward facing Instructor Operating Station
- Additional handheld IOS control
- Easy to use lesson plan editor
- Large range of emergencies
- Record / Debrief facility

**VISUAL SYSTEM**
- Wide field of view (up to 235°x80°)
- Powerful Image Generation System
- A wide range of detailed Visual Databases
- Full world coverage satellite imagery
- High brightness and high resolution

**TRAINING & SIMULATION**

REALITY H
Helicopter Full Mission Simulator

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IMPROVE CREW READINESS FOR SEARCH AND RESCUE OPERATIONS

- Experience realistic winch operator simulation
- Practice in-flight emergencies in a safe environment
- Reduce cost and improve training efficiency

TRAINING & SIMULATION

H225 FULL CREW WINCH STATION SIMULATION
Thales Flight Training Centre Norway
Successful and safe winch operations require a sufficiently trained crew. The new Thales full crew winch station simulator offers efficient and valuable training using the latest VR technology. Train pilots and winch operators together in challenging environments and add margins to your daily operations.

Key features:
- Experience realistic combined winch training for pilots and winch operators
- Train your crew in challenging winch operations in a safe environment
- Improve in-flight communication and coordination between forward and rear crew members

Solution characteristics:
- H225 panels and instruments are replicated, fitted at their correct position and functional
- Panel to control the helicopter
- Handle to manage the winch
- Intercom enabling full communications with the pilots
- A head tracker system is fitted to allow a full axis head position detection
- A state-of-the-art VR helmet is used to reproduce a full immersive view of the visual scene at the winch operator position: 360° FoV
- The VR helmet image resolution and FoV is compliant with the training needs and user comfort expectations
- The winch station is networked with the H225 helicopter cockpit simulator
- The winch operator is able to control the helicopter position with the AFCS trims

Visual:
- The visual image represents the same visual scene visible from the cockpit
- The visual image at the winch operator station represents the helicopter internal view at 360° representing an H225
- The winch and cable is virtually represented in the image at their correct position

Designed for mission readiness:
- Skills acquisition
- Instruction
- Evaluation
- Selection