

First Scandinavia located H145 Full Flight Simulator (FFS) achieved EASA Level D qualification, supplied by Reiser Simulation and Training in cooperation with project: syntropy and norxe.



Reiser Simulation and Training's Airbus H145 Full Flight Simulator (FFS), which features a visual display system designed and commissioned by project: syntropy, has been certified EASA Level D training device. It achieved the certification in Norway on August 23, 2018 in accordance with the CS-FSTD(H) EASA FFS Level D. The simulator comprises a full NVIS compatible replicated H145 helicopter cockpit and simulated Helionix® Step 2 avionics suite and flight model based on dedicated flight test data.



The simulator is now operational at the Norwegian Competence Centre Helicopter (NCCH) in Stavanger, Norway. NCCH has been established alongside the Norwegian Air Ambulance (NLA) and provides the most sophisticated training for NLA HEMS pilots and crew members. They focus on adding professionalism and safety to the pilots' real missions and are a preferred partner when it comes to combining leading-edge technology and most realistic training. Simulator training is provided for pilots and crew members from various mission profiles like HEMS, law enforcement, VIP services or offshore operators.

Reiser Simulation and Training developed the H145 FFS again in cooperation with their trusted partner project: syntropy for the design and commission of the visual display system as for the ADAC HEMS H145 FFS, confidently relying on their expertise in visual system design, its track record in high end simulation visuals and advanced inhouse design tools.

Color matched DLP next generation solid state LED projectors were selected to fill the 240° by 80° (-50°/+30°) dome with the most realistic scene by day and night allowing the use of real NVIS equipment without compromises. project: syntropy uses domeprojection.com® ProjectionTools: a camera based auto-calibration which delivers unprecedented accuracy in terms of geometry, blending and linearity to meet the demanding Level D criteria for the visual system. Using the existing integration with IG Mantis by Quantum3D for handover of calibration data from ProjectionTools a “one-touch button” fully automated recalibration procedure is made available for the NCCH staff.



project: syntropy's collaboration with domeprojection.com® extended into the delivery of a system for NVG and night scene training based on nBlend optical blend masks. The use of auto-calibration and a patent pending technology to produce blend masks based on calibration data with unrivaled accuracy avoids time consuming adjustment processes.

“We are proud to have been chosen again to cooperate with the Reiser team for another technically advanced and important simulator system delivery” says Christoph Bode, Chief Technical Officer of project: syntropy who is the lead behind the VDS design concept.