project: syntropy (Germany / KSA / Sweden / Singapore)
creates dvLED- / projection-based visual technologies and solutions for professional simulation and training environments, immersive XR environments, XR-CAVEs, media based attractions and much more.

Project

RS Flight Systems FlightLine FNPT and FTD Flight Training Devices

Customer

RS Flight Systems GmbH, Berg-Hoehenrain/Germany.

Project

Visual Display Solution comprising a hemispheric 5m GRP-screen w. HFOV 200°, VFOV 70°, 6ch- WQXGA projection, pedestal, projection rig, autocalibration system for FNPT and FTD flight trainers.

Project Details

We are providing visual display solutions for the RS Flight Systems products F-Light Line Helicopter Flight and Navigation Procedures Trainer (FNPT) II MCC and Flight Training Devices (FTD2 / FTD3) for Flight Schools and helicopter operators. Lately, a H145 D3 FTD3 F-light Line training device has been delivered to Starspeed Training at Kemble Aerodrome, Gloucestershire, UK, which is an authorized and well-established helicopter training organization.

Our visual display for the FTD3 comprises a hemispheric 5m GRP-screen having a HFOV 100°/+100° and VFOV -45°/+25°, 6ch- BARCO F80 WQXGA projection and a pedestal and projection rig as well as ProjectionTools autocalibration for easy maintenance.

Before that, we also delivered a budget visual display for the EC135 FNPT II launch customer Austrian ATO RotorSky GmbH in Linz, which obtained an EASA qualification by the Austrian aviation authority Austro Control GmbH.

About RS Flight Systems FNPT II and FTD-2/FTD-3 Flight Training Devices

RS Flight Systems GmbH is providing innovative and cost-effective FNPT and FTD products to the market of flight schools and other Approved Training Organizations (ATOs). The certified F-Light Line FNPT II MCC & FTD2/FTD3 are powered by the high-fidelity Reiser S&T Level D Full Flight Simulation (FFS) software.

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project:**syntropy**

F-light Line H145 D3 FTD3 is equipped with leading-edge technology that replicates real flight scenarios and provides a realistic experience for pilots to practice and perfect their flying skills. It comes with advanced features, including a cockpit simulator, flight dynamics, and original Garmin navigation systems.

The FNPT II is primarily used for ab initio and refresher training, including basic and safety procedures, emergencies, navigation procedures, instrument rating and multi-crew cooperation (MCC), but can be easily upgraded o an FTD – a fixed-base system designed for type-rating and limited checking / testing procedures. Furthermore, conversion kits to switch between H135 and H145 cockpits are available.

project: syntropy‘s visual display solutions for

- **FMS FULL-MISSION-SIMULATORS**
- **FFS FULL-FLIGHT-SIMULATORS (EASA Level D)**
- **CT COCKPIT SIMULATORS**
- **HELICOPTER FLIGHT SIMULATORS**
- **FNPT / FTD TRAINING SIMULATORS**
- **COMBAT SIMULATION**
- **JFST ACTION TRAINERS**
- **JTAC TRAINERS**
- **ATM TOWER SIMULATORS**
- **DRIVING SIMULATORS**
- **SHIPS BRIDGE SIMULATORS**
- **INDUSTRIAL SIMULATORS**
- **RESEARCH SIMULATORS**

full-service for S&T visual display solutions

project: syntropy offers turnkey solutions and full-service throughout your entire project:

- **CONSULTING**
- **CONCEPT AND DESIGN**
- **APPLICATION DEVELOPMENT**
- **CONSTRUCTION, MANUFACTURING, INSTALLATION**
- **ADVANCED SOLUTIONS FOR NVG STIMULATION**
- **FULLDOME SYSTEMS**
- **tailor-made dvLED-/Projection-based VISUAL DISPLAY SYSTEMS**
- **AFTER SALES SERVICES**
  - training
  - maintenance and support
  - tailored service-level-agreements (SLA)
  - spareparts supply

Leading Provider of Next Generation Visual Display Systems

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