

**project: syntropy (Germany/Sweden/Shanghai/Singapore)**

creates projection and dvLED-technologies and solutions for professional simulation- and training environments, interactive, immersive media based attractions, flying theatres, planetariums as well as XR-CAVES.



**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**

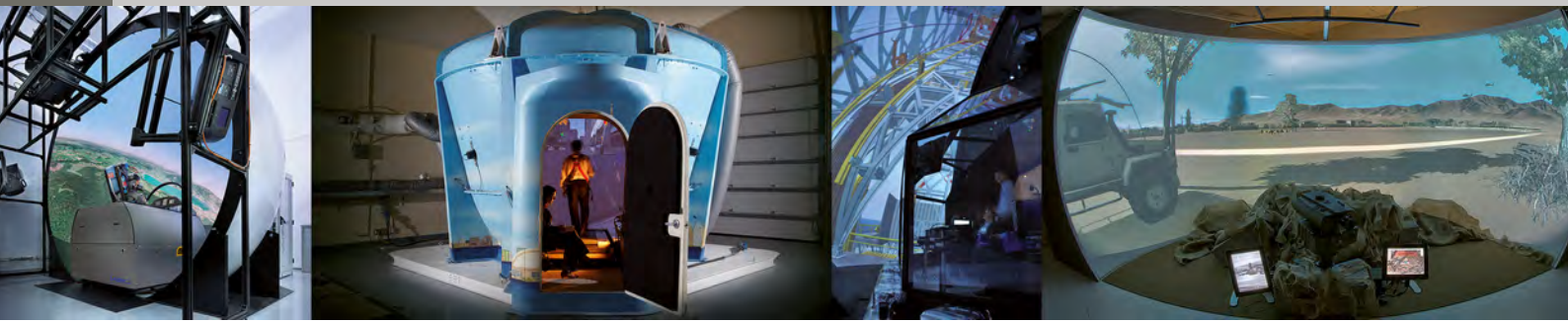
RS Flight Systems GmbH is providing innovative and cost-effective FNPT and FTD products to the market of flight schools



Leading Provider of Next Generation Visual Display Systems

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and other Approved Training Organizations (ATOs). The certified F-Flight Line FNPT II MCC and FTD2 /FTD3 are powered by the high-fidelity Reiser S&T Level D Full Flight Simulation (FFS) software.

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 to 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**
- **CT COCKPIT SIMULATORS**
- **HELICOPTER SIMULATORS**
- **TARGET 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 AND INSTALLATION**
- **ADVANCED SOLUTIONS FOR NVG STIMULATION**
- **XR-CAVE AUTOMATIC VIRTUAL ENVIRONMENT**
- **IMMERSIVE MIXED REALITY ENVIRONMENT**
- **AFTER SALES SERVICES**
  - training
  - maintenance and support
  - tailored service-level-agreements (SLA)
  - spareparts supply

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