

project: syntropy (Germany/Sweden/Shanghai-Singapore-Taiwan)

creates technologies and solutions for professional simulation- and training environments, interactive immersive media based attractions, xD theatres, planetariums and multimedia experiences.

Project

3 generic FPS-H Helicopter Simulator Visual Displays for German Air Force

Customer

ESG Elektroniksystem- und Logistik-GmbH, Fuerstenfeldbruck near Munich/Germany, for German Air Force.

Project

3 Turnkey generic helicopter simulator visual display systems with hemispherical screen, 3 projection channels each and domeprojection.com auto-alignment solution for German Air Force, Bueckeburg.

Project Details

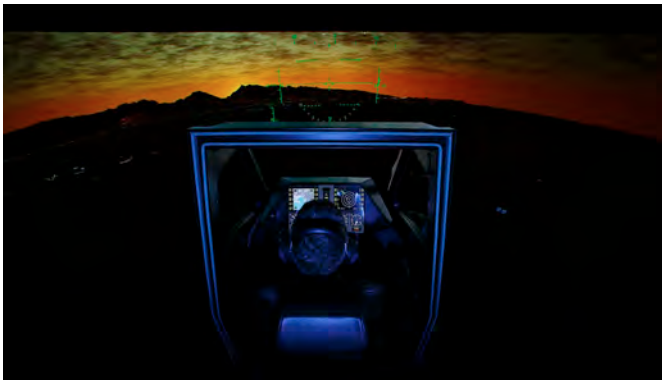
The generic helicopter simulator is a product developed by ESG for clients like the German Armed Forces. project: syntropy is delivering the complete visual display system for their simulators: each is equipped with a spherical screen, 3 WUXGA projectors, warp & blend hardware and domeprojection.com auto-calibration.

As of today, 3 systems have already been installed. The German Air Force is using the solution as helicopter pilot screening system FPS-H (Fliegerpsychologisches System Hubschrauber) in Bueckeburg, Germany.

About the Helicopter Pilot Screening System FPS-H

The simulation system consists of two helicopter cockpits with a 3-channel projection system, an instructor station for controlling and monitoring the simulation sequence and lecture hall equipment for the preparation, follow-up and observation of ongoing missions. The two helicopter cockpits are similar to the workplace of future UH Tiger pilots. The function of the controls in the cockpit, the instrument panel, the flight characteristics and helicopter equipment, such as armament or sensors, can be adapted to the respective mission by the operator himself.

The Helicopter Pilot Screening System serves primarily to determine the aptitude of future pilots who have to survive the third and at the same time most demanding phase of their applicant screening within one week in Bueckeburg.



Leading Provider of Next Generation Visual Display Systems

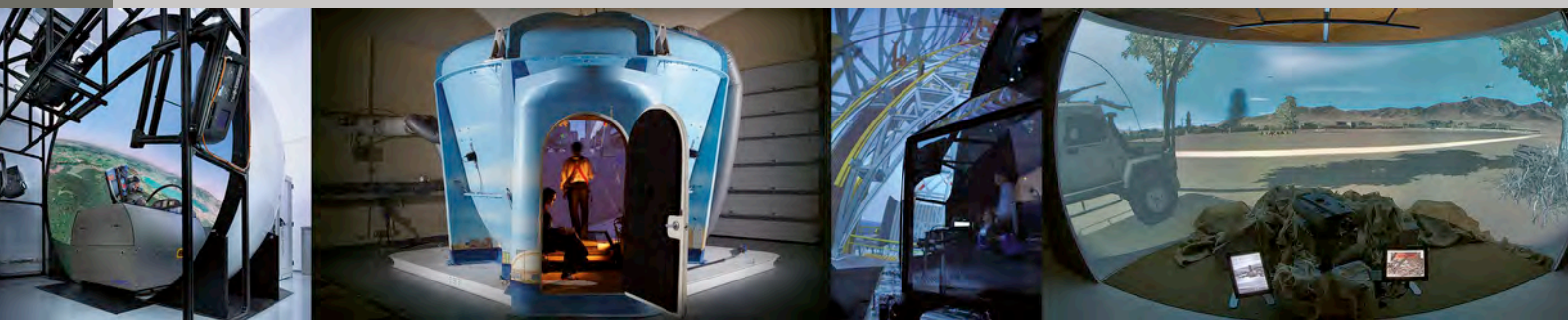
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Experienced flight instructors and psychologists observe and evaluate the abilities of the pilot candidates while they have to complete missions of increasing difficulty.

In addition to the actual users, the Heeresfliegerwaffenschule, Group Development, as well as the first flying units have recognized additional areas of application for the flexible and cost-effective simulation system in operation.

About ESG Elektroniksystem- und Logistik-GmbH

ESG Elektroniksystem- und Logistik-GmbH is developing, integrating and operating electronic and IT systems for the military, public authorities and companies.

Videolink: <https://youtu.be/QQxVPVu3Sto>



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**
- **FULLDOME SYSTEMS**
- **TURNKEY DIGITAL CINEMA**
- **AFTER SALES SERVICES**
 - training
 - maintenance and support
 - tailored service-level-agreements (SLA)
 - spareparts supply

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