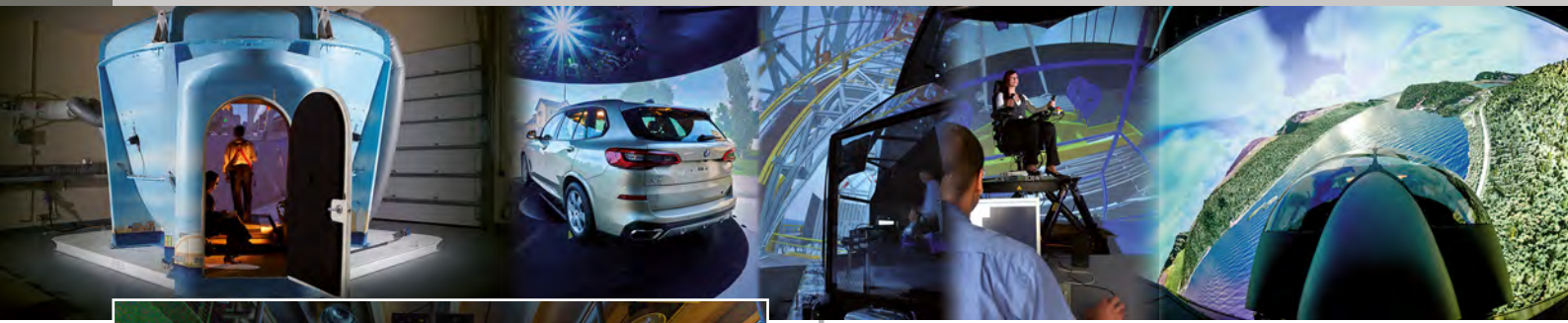




project: syntropy (Germany / KSA / Sweden / Singapore)

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

Visual Display Solutions for Pilatus PC-7 MKX Military Training Aircraft Flight Training Devices (FTD)

Customer

Pilatus Aircraft Ltd, Stans, Switzerland.

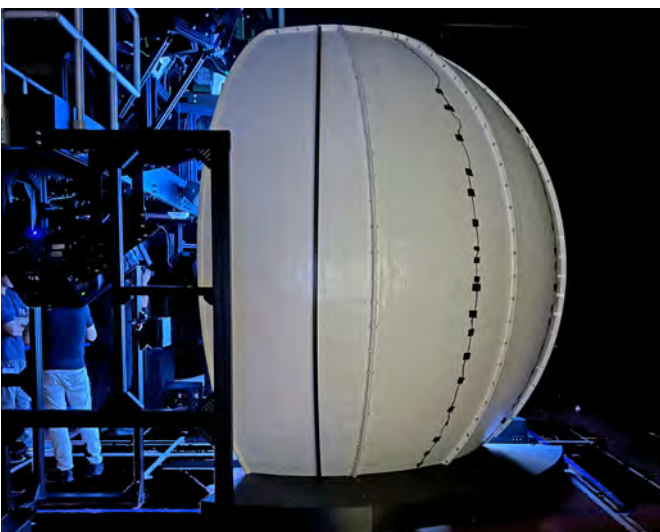
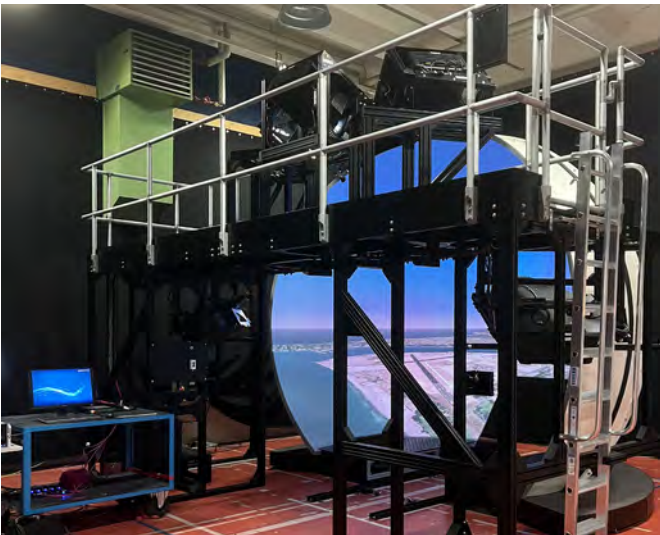
Project

Delivery of two 5-channel high-resolution Visual Display Systems (VDS) for Pilatus PC-7 MKX FTD Flight Training Devices based on SYNJETSIM 4M fibre glass dome. VDS comprising 4meter dome with HFOV 220°, VFOV -42.5° / +90°, an auto-calibration system and optical blend masks.

Project Details

project: syntropy is proud to have been selected by Pilatus Aircraft Ltd as their trusted system integrator of visual display solutions for their Flight Training Devices for their new aircraft - the smart basic military flight trainer PC-7 MKX. The PC-7 MKX is the ideal aircraft for preparing young pilots for their future missions, be that in a jet, a multi-engine fixed-wing aircraft or a helicopter.

Our high resolution immersive visual solution comprises the proven SYNJETSIM 4M dome projection fibre glass dome having a HFOV 220°, VFOV -42.5° / +90°, a 5-channel 4k projection system, auto-calibration system and optical blend masks. The PC-7 MKX cockpit can easily be rolled in and out without dismantling parts of the system since the access platform and dome front have a cutout to fit the cockpit. The screen base comes with adjustable feet and brings the center of the dome exactly into the height of the PEP (Pilot Eye Point) in the cockpit.



Leading Provider of Next Generation Visual Display Systems for Simulation & Training

project: syntropy GmbH

D-39112 Magdeburg/Germany, Klausenerstrasse 47

T: +49 (0) 391 63 60 66-44 | Fax: +49 (0) 391 63 60 66-45

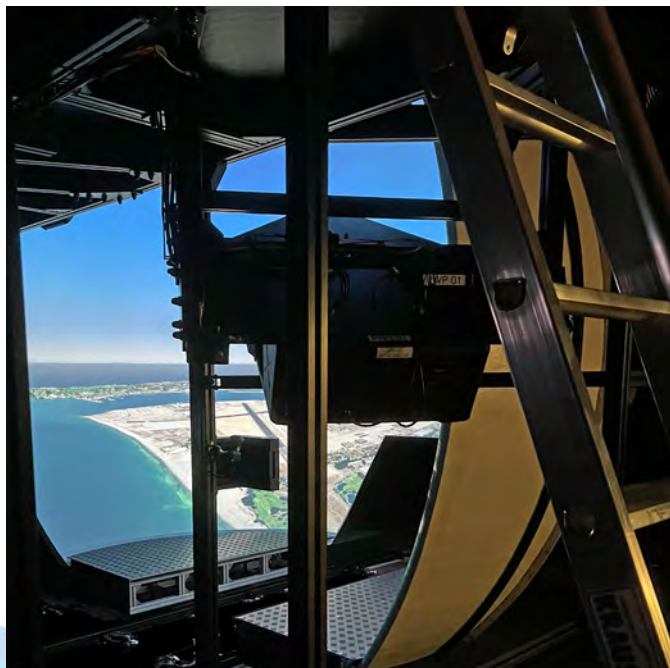
M: syntropians@project-syntropy.de <http://www.project-syntropy.de>

project:syntropy



About Pilatus Aircraft Ltd

Founded in 1939 in Switzerland, Pilatus Aircraft Ltd develops and produces worldwide unique aircraft and market-leading systems for pilot training. Pilatus has delivered more than 4,400 aircraft by 2026, the main aircraft types being single- and twin engine turboprop aircraft for civilian and business use as well as turboprop trainers for basic, primary and demanding military flight training with flight characteristics of modern military fighter aircraft.



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 for Simulation & Training

project: syntropy GmbH

D-39112 Magdeburg/Germany, Klausenerstrasse 47

T: +49 (0) 391 63 60 66-44 | Fax: +49 (0) 391 63 60 66-45

M: syntropians@project-syntropy.de <http://www.project-syntropy.de>

project:syntropy