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

Turnkey Visual Display System for the Dynamic Driving Simulator at DLR

Customer

DLR Institute of Transportation Systems, Braunschweig/ Germany.

Project

Turnkey dynamic driving simulator visual display comprising 18 LED channels in two rows, a FOV of 270° x 40° and domeprojection.com ProjectionTools auto-alignment system.

Project Details

The DLR Institute of Transportation Systems operates a dynamic driving simulator for the validation of assistance functions that are already in an advanced state of development. The driving simulator is equipped with a novel hexapod system with the cabin hanging in below the upper articulations, which allows enormous linear movements and integration of a complete vehicle.

project: syntropy provided the high-quality projection system for the visualisation of the surrounding environment and traffic. After our 2nd and latest upgrade the system was equipped with 18 LED-projectors, offering a total horizontal resolution of 12,500 pixels with a FOV of 270° x 40°. Additionally, the rear-view mirror and the lateral rear mirrors view are enabled by LC-Displays. We provided the design, projector support structure, wiring, autocal and did the installation, integration and automation.

About the DLR Institute of Transportation Systems in Braunschweig

DLR is Germany's national research center for aeronautics and space. Its extensive research and development work in aeronautics, space, transportation and energy is integrated into national and international cooperative ventures.

The Institute of Transportation Systems in Braunschweig and Berlin designs, develops and evaluates solutions for hu-

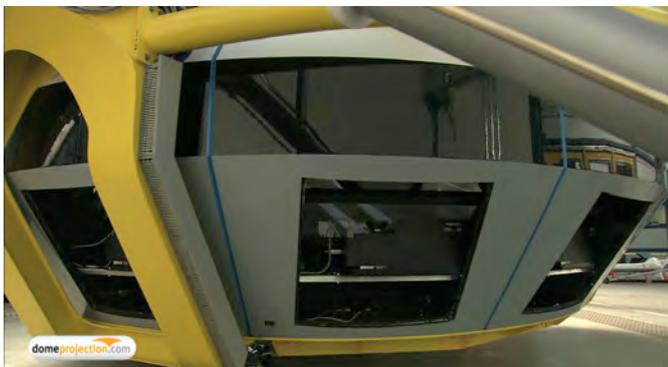*Leading Provider of Next Generation Visual Display Systems*

project:**syntropy**

man-centered driver assistance systems, traffic surveillance and management as well as for automation, disposition and train control in rail traffic.

Videolink: https://youtu.be/RWZy3S7efIY

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

Leading Provider of Next Generation Visual Display Systems

project:**syntropy**