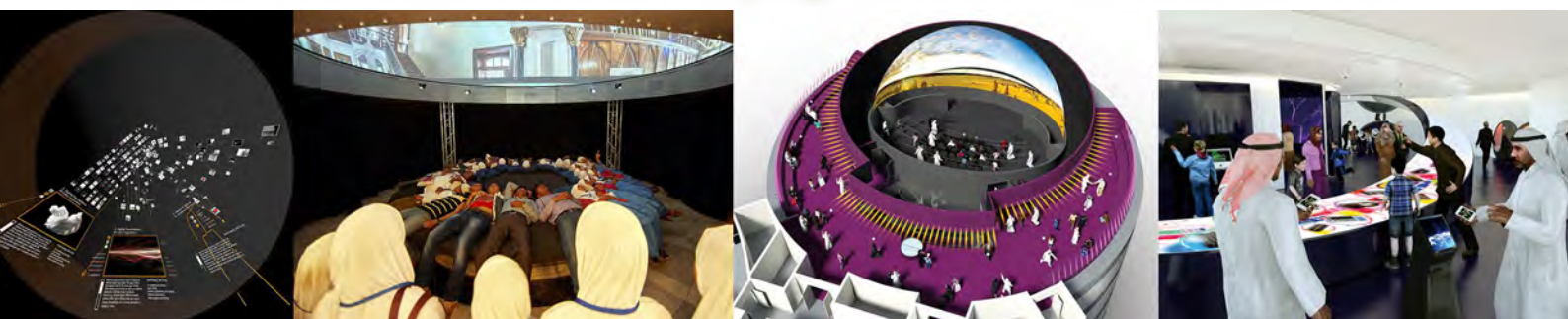# Visual Display Systems for Simulation, Training & Entertainment

Media Based Attractions - Flying Theatres - Motion Theatres

Immersive Fulldome - Planetarium - Digital Cinema

Interactive Immersive Environments - SYNtouch RADAR

project:**syntropy**

Try another World

project: syntropy (Germany - Sweden - Shanghai - Taiwan - Singapore) **creates visual technologies and solutions for professional simulation- and training environments, interactive immersive fulldomes, media based attractions, flying theatres as well as multimedia experiences.**

Our products and services are used in many sectors: from professional to entertainment simulation, themed entertainment, brand experiences, leisure parks, science centers, museums and exhibitions, events and trade shows.

project: syntropy's business sectors

project: syntropy is a solution provider and system integrator in the following lines of business
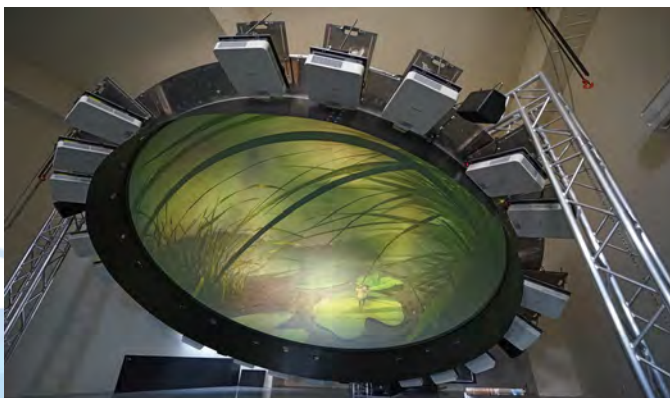
- Civil and Military Simulation and Training
- Visual Display and Projection Systems
- Virtual-, Augmented- and Mixed Reality
- Media Technology, Media Façades and -Sculptures
- Show Control
- Event-Engineering and -Technology

products and solutions by project: syntropy

Our developments are based upon the combined expertise of over 150 successfully implemented projects in two decades:

- Projection Systems for Simulation, Training & Entertainment
- Media Based Attractions (e.g. Flying Theatres)
- Interactive Immersive Media Environments
- Next Generation Immersive Interactive Fulldome Cinema
- Digital Planetarium
- Multi-User Multitouch Interactive Table, -Wall, -Floor, -Globe
- SYNtouch RADAR LASER sensor-based multitouch solution for any non-interactive display or projection

Leading Integrator of Immersive Projection Systems

project:**syntropy**

Visual Display Solutions Simulation/Training

We design and integrate display solutions for professional military-, research- and civil simulation and training systems. Our visual solutions for flight simulators have been certified EASA FFS Level D. We also develop and integrate dedicated components for such environments e.g. virtual reality tracking systems, rendering hard-/software and deliver total solutions with our partners, e.g. complete flight-, driving-, procedure simulators with vibration- and/or motion platform.

Media Based Attractions

project: syntropy offers revolutionary immersive environments such as flying theatres, dark rides, simulator and media rides, mini science centers a.o. multi-user experiences. Dedicated hard- and software solutions as well as interactive interfaces allow full customization for any purpose and budget.

Turnkey Fulldomes & Planetariums

project: syntropy provides fullservice for your fulldome/ planetarium project from concept development, movie consulting, design to installation as well as technical and event support. State-of-the-art dome structures combined with high resolution multichannel projection systems are available from ultra-portable 7m flying domes up to 50m geodesic structures for large scale events. We also offer interactive technologies for multitouch and touchless multi-user control of fulldome content as well as dedicated content browsing interfaces to visualize and interact with big data inside the dome.

SYNtouch RADAR

SYNtouch RADAR turns ANY non-interactive projection system into an interactive multimedia multi-user attraction just by adding one or as many as you require industry-grade LASER range finder sensors and using our calibration software. It does not matter if you have a rear- or front projection, a flat screen, LCD- or LED-wall, a media façade (using LASER sensors) or even a hemispheric or fulldome projection (using IR camera tracking sensors): SYNtouch RADAR software calibrates every display so that you can immediately experience multitouch- and multi-user interactivity on the big screen.

Dedicated Multitouch Systems

We provide customized multitouch and multi-user hardware and software according to our clients' requirements. Whether you are looking for a single- or multi-projector multitouch-surface in any shape, a multitouch-bar, -wall, multitouch sphere or -globe or for larger multi-projector exhibits – we are able to produce multitouch surfaces in any given size and shape.

Our multitouch applications are available for licensing and run also on any 3rd party hardware which supports multitouch input.

Leading Supplier of Next Generation Media Based Attractions

project:syntropy

Turnkey Visual Solutions for Simulation, Training and Media Based Attractions

project: syntropy offers turnkey projection solutions, tailor-made systems and full-service throughout the entire project.

- CONSULTING
- CONCEPT AND DESIGN
  - creative
  - interactive
  - media
  - engineering
  - application

- DEVELOPMENT
- ENGINEERING
- CONSTRUCTION AND INSTALLATION
- AFTER SALES SERVICES
  - training
  - maintenance and support
  - tailored service-level-agreements (SLA)
  - spareparts supply

- VISUAL SOLUTIONS FOR SIMULATION & TRAINING

  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 - CAVES

- MEDIA BASED ATTRACTIONS

  XD FLYING THEATRES - XD 360° & 720° ATTRACTION DOME CINEMAS & GLOBES - INTERACTIVE VISITOR ATTRACTIONS - MOTION THEATRES - DARK RIDES - PLANETARIUMS - MEDIA FACADES - IMMERSIVE TUNNELS & IMMERSIVE ENVIRONMENTS - PROJECTION MAPPING - GUN SYSTEMS

- SYNTOUCH MULTITOUCH MULTIUSER & RADAR

- MIXED REALITY ENVIRONMENTS & TRACKING TECHNOLOGY DEVELOPMENT

Authorized Dealer:

Leading Supplier of Next Generation Visual Display Systems

project:**syntropy**