



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

creates AV technologies and solutions for professional simulation- and training environments, XR-CAVEs, XR-Spaces, interactive immersive media based attractions, xD dome theatres and planetariums. 25 years of experience and over 250 projects world-wide have resulted in highly scalable turnkey media based attractions.

**Project**

**Multitouch exhibits for the Visitor Centre  
REGIONEUM Grottenhof/South-Styria, Austria**

**Customer**

Market Town Kaindorf an der Sulm, South Styria/Austria.

**Project**

Four interactive multitouch exhibits, large projection wall with dynamic show, AV-stations, Infoterminals for route planning and show control technology for REGIONEUM - visitor information centre Grottenhof.

**Project Description**

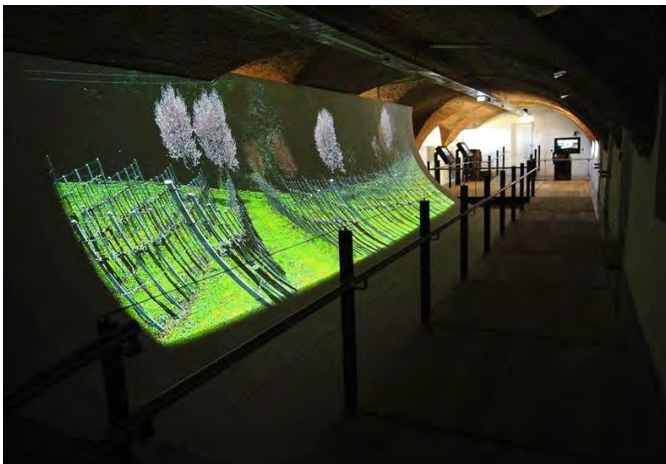
On June 27th, 2009 the Nature Parc Centre Grottenhof – now called REGIONEUM – in South Styria /Austria opened its doors to the public.

The REGIONEUM – a former renaissance castle – is the central point of information for visitors of South Styria: 1.000 sqm exhibition space familiarize the visitor with the cultural and natural diversities of the region.

The exhibition concept makes use of a lot of diverse audio-visual and interactive multimedia technologies for information communication, which have been provided by us as turnkey dynamic database-driven exhibits and are controlled using a dedicated show control system for easy administration by non-experts.

**Multitouch Gaming Table for children**

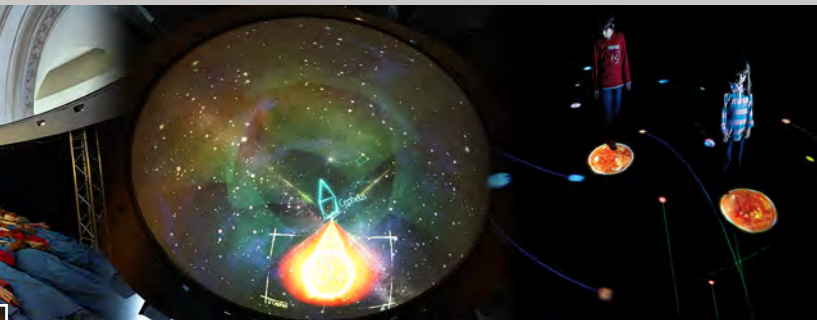
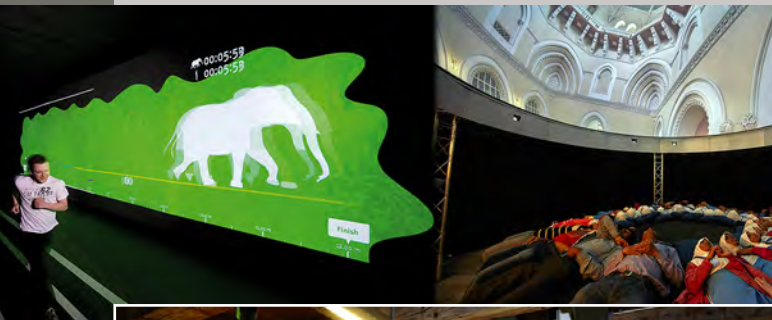
Main attraction is a 62" big Multitouch-Multiuser Gaming Table for children: the bilingual multitouch interface allows four or even more users to solve country- and picture puzzles and thus to follow in the footsteps of a local globetrotter named Bruno Baumann, who has travelled a lot in Asia. The infosystem is also supporting fiducial-based tracking to administrate the table.



Leading Provider of Next Generation Media Based Attractions

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### Three multiuser tables with historical content

Three more than 70" big multiuser touchtables present informations and interactive animations about three important historical cultural phases in the region: Hallstatt-time (pre-roman iron age), women cult at the Frauenberg and Flavia Solva, an ancient roman colony.

### 11m 3-channel curved projection panorama

The big landscape panorama visualizes three thematic areas: topography, climate, cultivated landscape. Visitors can get basic and background informations by a dynamic slideshow with explanatory texts.



### Infolounges

Three touchterminals in the service area allow the configuration of individual touristic routes including route-planning and printing of the selected tours.

### Audio-Visual Stations

Several audio- and video-stations allow the visitors deeper insights into the attractions and offerings of the region.

Videolink: [https://youtu.be/\\_jwuOVLfaig](https://youtu.be/_jwuOVLfaig)



### Our Work

- Planning and Technical Management
- Development of CMS for Multitouch Tables
- Programming of interactive Applications
- Interface and Game Design
- Installation of Media- and IT-Hardware as well as the Development and Installation of Show Control
- Providing the controlled operation by remote monitoring and remote troubleshooting
- Maintenance

Leading Provider of Next Generation Media Based Attractions



## Turnkey Display Solutions for Simulation, Training, Immersive XR-Spaces, XR-CAVES, Media Based Attractions

project: syntropy offers turnkey projection / dvLED-based display solutions, tailor-made AV systems and full-service throughout the entire project:

- PROJECTION- OR dvLED-BASED SYSTEMS
  - DEVELOPMENT
  - ENGINEERING
  - CONSTRUCTION AND INSTALLATION
  - AFTER SALES SERVICE
    - Training
    - Maintenance and Support
    - tailored Service-Level-Agreements (SLA)
    - Spare Parts Supply
- VISUAL SOLUTIONS FOR SIMULATION & TRAINING
  - FMS FULL-MISSION-SIMULATORS - FFS FULL-FLIGHT-SIMULATORS - CT COCKPIT SIMULATORS - HELICOPTER SIMULATORS - COMBAT SIMULATION - JFST ACTION TRAINERS - JTAC TRAINERS - ATM TOWER SIMULATORS - DRIVING SIMULATORS - SHIPS BRIDGE SIMULATORS - INDUSTRIAL SIMULATORS - RESEARCH SIMULATORS
- MEDIA BASED ATTRACTIONS
  - XD FLYING THEATRES - XD 360° & 720° ATTRACTION DOMES, CINEMAS & GLOBES - INTERACTIVE VISITOR ATTRACTIONS - MOTION THEATRES - DARK RIDES - MEDIA FACADES - IMMERSIVE TUNNELS & IMMERSIVE ENVIRONMENTS - PLANETARIUMS - PROJECTION MAPPING
- DIGITAL TWIN XR-SPACES (e.g. UDT Urban Digital Twins)
- XR-CAVE - XR VOLUMES
- SYNTOUCH MULTIUSER RADAR TOUCH
- MIXED REALITY ENVIRONMENTS & TRACKING TECHNOLOGY DEVELOPMENT

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