contact us now for life-size interactivity!

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living surface

interactive floors, walls, tables and elevators

living surface are breathtaking, interactive surfaces with lively contents you can touch, experience and play around with. Our digital creatures swim, hop or fly on the floor, wall, ceiling or table, always responding to the movements of all persons participating. living surface is available for rent and purchase.

How it works
living surface creates a magical sync between people’s actions and the animated graphics on the surface. It consists of a highly sensitive optical sensor to observe people’s activity. A high-end PC running the software living surface analyses the camera signals in real time and instantly generates breathtaking visual effects displayed by a video projector or any other display technology for floors, tables and walls. living surface is developed by vertigo systems.

Why people love it
living surface is an innovative medium that upgrades the observer to a participant. Magical immersive interactivity will arouse emotions and the playful multiuser experience will instantly make people connect with each other.

The recall effect when using living surface to communicate your advertising message is verifiably stronger than with any other advertising media.
Professional solution well-proven in hundreds of installations worldwide
Rich library of standard effects and attractive content packages for kids entertainment, advertising, sports and interior design
Easily customize the effects with your own graphics
Use playlists to schedule interactive content
Game engine graphics for superior 3D performance in real-time
Advanced content development services available on request
Every installation of living surface is fully upgradable with
More effects and features
living surface is available for purchase and for full-service rental
living surface
areas of application

Edutainment:
Exciting topics can be experienced live in zoos, aquariums, museums and science centers

Retail, shopping malls:
Interactive shopping window and floor for entertainment & advertisement

Interior design:
Interactive design in restaurants, clubs, cruise ships, hotels, resorts & spas

Brands & advertising:
Thrilling media installations in company showrooms, foyers and flagship stores

Healthcare:
Entertainment and activity games in waiting areas at paediatric dental practices, outpatient departments or pharmacies in Snoezelen rooms and rehabilitation clinics

Events & promotion:
Increasing success rates of trade show booths, events and promotions at the point-of-sale

Sports, fun & action:
gaming stations in theme parks, water parks, water slides, indoor playgrounds, bowling- and fitness centers

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Living fish and friends for immersive aquariums on walls, floors and tables:

living surface is especially famous for its amazingly realistic underwater worlds with dozens of computer generated sea and freshwater creatures. The fish, crabs, dolphins, sharks and jellyfish behave like their natural counterparts - eating food, chasing each other, swimming in schools and enjoying life! Virtual aquariums are available in nearly any size on the floor or on the wall. Realtime graphics at resolutions of up to 12 megapixels keep the promise of sheer size and detail. Magic comes into play, when the fish sense the visitor and will react depending on their specific temperament.

Contact us now for your individual virtual aquarium!
Learn & Play – our special edutainment effect

- Just watching is outdated — now visitors can experience and learn!
- When you touch a specific fish, it will present its name and other interesting details.
- Impart exciting themes from nature and technology in a playful and perceptible manner.
- Now zoos, aquariums, museums and science centers can provide a unique and impressive learning experience.
- Offer your guests edutainment at its best!
Welcome to the wonderful world of paint2life where paintings come to life and the boundaries between reality and the virtual world blur.

Coloring our funny sea animals, little artists can demonstrate their unlimited creativity. Then, at the touch of a button, the colored fishes are sent to the life-sized virtual aquarium where they come to life. The creatures are able to move around and react to the kids. The children can play with and even feed them!
Interactive floor projections – the eye-catcher par excellence where people get actively involved:

- Ideal as a branded attraction at trade fairs, events and promotional campaigns
- Natural, appealing and playful interaction
- High recall effect on advertising messages
- Works touch-free, requires little maintenance and is robust
- Projections in any desired size with multiple video projectors

Ask for our hassle-free complete packages >living surface in a box< available in different sizes
The new all-in-one projection box for professional media installations:

- The reference solution for ceiling-mounted floor projection systems
- Ready to play from installation heights between 3m and 9m
- One unified design for a broad range of individual system configurations
- Supports professional projectors with brightness from 3,000 lumens to 10,000 lumens
- High quality engineering for best performance and short lead times
- Ready for 24/7 operation and for extra large projection areas
- Secure against vandalism, no technical equipment on the floor
- Top product for high-volume roll-outs in retail chains and public buildings
The InterActivator projection box is the mobile technical solution for vivid interactive floor projections:

- The projection box delivers the full functionality of living surface
- The interactive floor projection without need for ceiling-mounted installation
- Transportable on wheels, ultra short setup times
- Accessories available to raise the InterActivator to get bigger projection sizes
- Extensive effect library allows for endless individual interactive content designs
- Use the interactive projection as an inspiring interior design element
- Add striking kids entertainment to your waiting area
- Proven rise of customer awareness by 100% for your mobile promotion tour

living floor – InterActivator
compact interactive experience
Interactive floor with great casual games for waiting areas and kids corners in shops, bank offices and malls. Fun, activity and exploration in one affordable package.

- Easy installation: all components pre-mounted in one robust box
- charlie’s playground software license includes 2 out of 5 game packages
- Powerful video projector
- Compact living surface PC
- IR camera tracking system
- Short delivery times
The interactive LED-arena is the checkpoint in an increasingly accelerated world. It can be found at the crossroads of mobility: airport terminals, shopping malls and large public events.

- Ideal at airport terminals, in shopping malls and for large public events
- LED-display tiles can be combined to nearly any size and shape
- Image quality is stunning, bright and free of bezels and shadows
- It’s the combination with the interactive media technology >living surface< that creates the public arena with changing contents, like the famous life-size tropical aquarium, abstract animations and fascinating activities and games

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living floor
LED plaza
living wall brings your walls to life!

Interactive wall projections – captivating highlight for any room:

- Can be used as design or advertising element with varying content and for ambient entertainment.
- Can be smoothly integrated into existing architecture/design.
- Technology options include seamless multiprojections, LED-walls and videowalls made of flatscreens with ultra slim bezels.

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pepino
interactive lighting design

pepino is a magic and interactive lamp, forming the next level of lighting design.

- pepino is an eye-catching, intelligent sensor lamp that responds instantly to the scenery and all activity on the table surface.
- Structured light and high-resolution graphics are animated in real-time for outstanding design, entertainment and advertising.
- The pendant lamp integrates in any interior design like a conventional lamp.
- Lampshade can be customized in size and color.
- Based on the technology >living surface< and the vast collection of interactive content.
- Compact all-in-one device ready to work and available in two sizes.
- To be used in hospitality, bars, lounges, shop design, trade show booths, waiting areas and museums.
Interactive table as an eye-catcher or design element for entertainment and infotainment:

- Ideal for bars, lounges, company showrooms, hotels, foyers, museums, clubs or at trade fairs
- For events and promotional campaigns
- As advertising and information media at the POS
- Comes in various models with your own branding
- High resolution flat screen technology for crisp image quality and long lifetime
- Can also be projected onto existing tables and instore furniture
living elevator – an immersive vertical experience:

Elevator rides are not boring anymore. living elevator is the new upgrade for any existing or brand-new elevator to deliver vertical motion rides through inspiring virtual worlds. One or more flat screens inside the elevator cabin serve as a window to a giant fish tank, the skyline of a megacity or the panoramic view into an undiscovered nature reserve. The computer graphics unit of living elevator is precisely synchronized with the position data of the elevator control system so that the virtual view will be 100% in line with the speed and position of the elevator. This way, wasted time becomes quality time.
Get to know charlie, the amazing animated cat which will entertain your guests in a spectacular way!

- Unique cooking show — word of mouth will spread and bring masses of interested people
- charlie is funny, amusing and clever — an adventure to attract your guests and to keep them coming back
- Let charlie bring your location to life
- Ideal at restaurants, bars, lounges, clubs and hotels or catering events
- Areas of application are tables, bars, counters and walls or floors
- Extensive effect library of living surface allows interactive graphics and games in addition to the cooking show
- Can be customized in regard to meal and logo

charlie makes sushi!
any surface projections make light design and interactive media become one

Any interior surface material on walls, floors and tables can come to life with this new combination of camera based object tracking and long lasting LED-video-projectors.

- No conventional white projection screen
- Light is directly projected onto a given material like timber, concrete or natural stone on floors, walls and tables
- Special abstract interactive contents maximize the magic visual effect and highlight any object on a table
- Touch-less camera sensor and fast graphics for natural reactivity
- LED-videoprojector with revolutionary lifespan

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Sport games interactive games add a highlight to any event

The interactive penalty kick guarantees real soccer feeling for young and old:
- Consists of a double projection on wall and floor
- The animated 3D-goalie reacts according to the direction and strength of the shot
- One of the most popular attractions at Madame Tussauds
- Also available as a rugby version

We offer a library of customizable casual games:
- Hockey, pong, tennis and soccer with multiple players
- Other games can be created upon request
- Interactive games as a highlight for events, trade fairs and museums
individual solutions
let our ideas and resources work for you

The specialists for life-size touch-less interactivity open their toolbox:
- For customized walkable video games
- To interconnect living surface with existing frameworks
- For mind-blowing state-of-the-art megapixel media technology

Vertigo systems provides projects to customers worldwide
- Our special solutions can be found in theme parks, showrooms, luxury interiors, museums and on trade show booths

© Vertigo systems | living surface for life-size interactivity
Choose from hundreds of different high quality contents
Ready-made content comes in themes like advertisement, kids entertainment, glamour, sport games, etc.
A collection of powerful basic effect apps gives you the freedom to create your own interactive content
No programming skills required
Easily replace graphics inside the effects with your own logos
Use any display technology like video projectors, screens or LED-panels for immersive interactive media installations on floors, walls, tables and in shopping windows
Contact us now for an individual technical setup

Option:
stronger projector for larger areas

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