

contact us now for life-size interactivity!

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vertigo
systems gmbh

living surface
interactive floors, walls and tables



living surface interactive floors, walls, tables and elevators

›living surface‹ are breath taking, 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 dis-

played 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.



living surface highlights

- 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



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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



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living surface areas of application

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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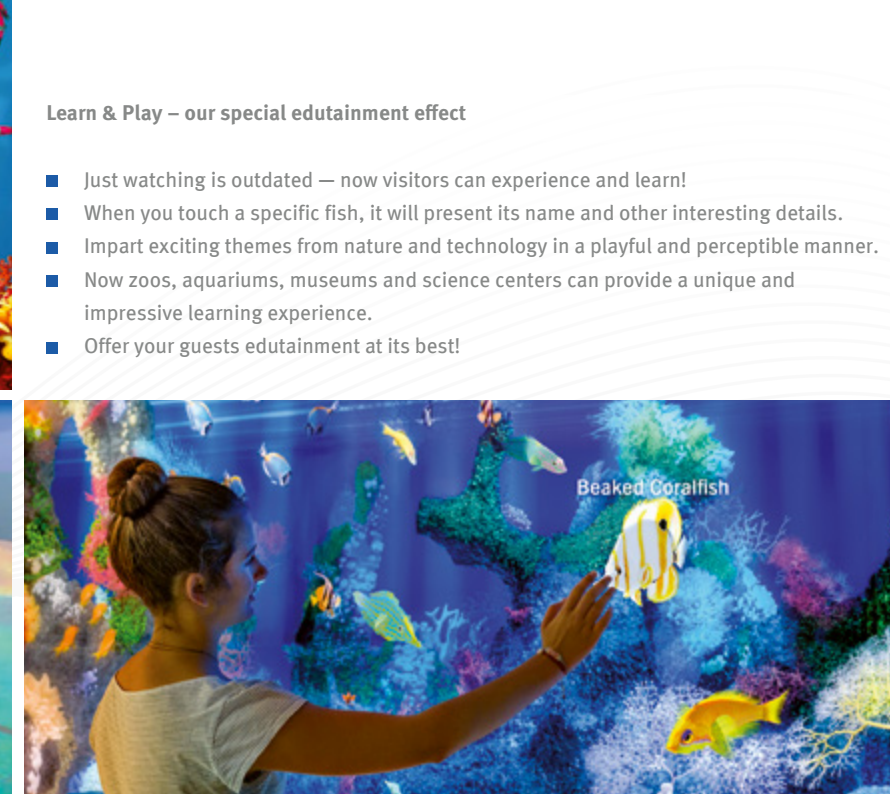
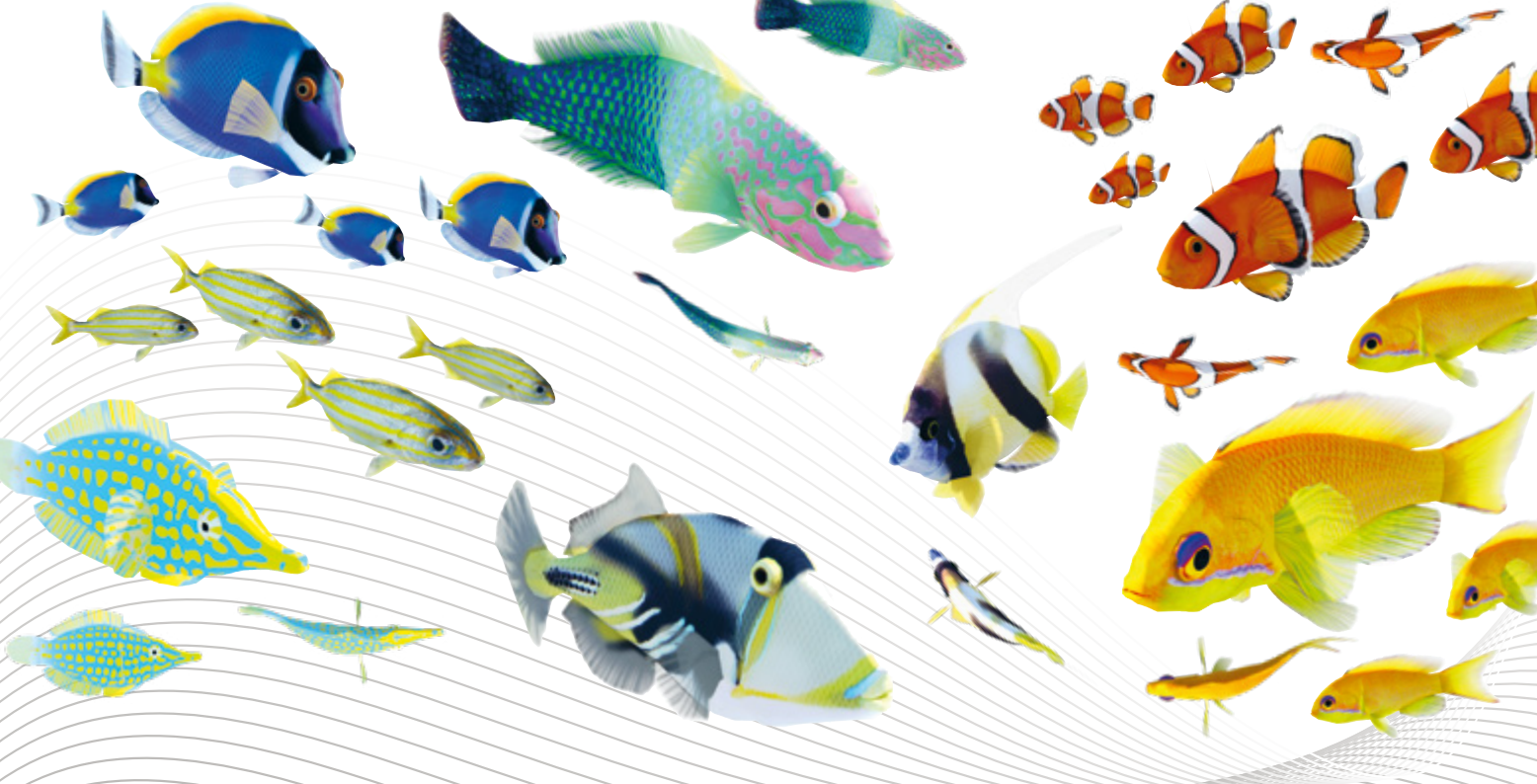
living aquarium interactive fish on floors, walls and tables

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!



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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!



make paintings come alive

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!



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living floor interactive floor projections

**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

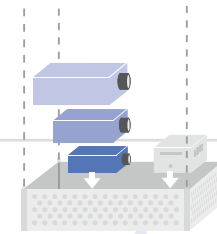




living surface in a box modular all-in-one solution

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



living floor



living floor – InterActivator compact interactive experience

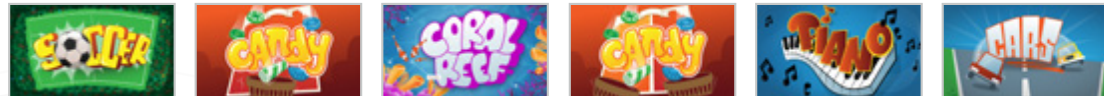
The InterActivator projection box is the mobile technical solution for vivid interactive floor projections:

- The projection box delivers the full functionality of ›living surfaces‹
- 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 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

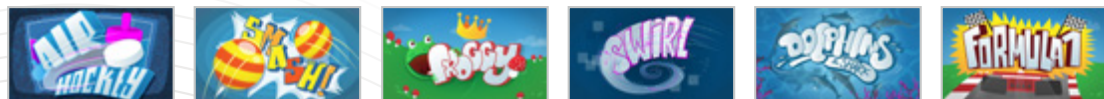


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fun



action



kids club



extra tour



table top



charlie's playground

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



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charlie's playground



living floor LED plaza

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 surfaces‹ 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 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



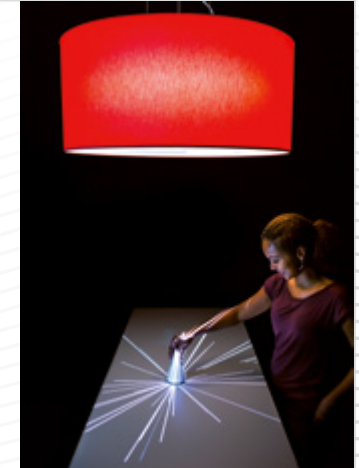
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pepino interactive lighting design

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 pendent 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



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living table interactive table

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 surface living elevator

›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.



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charlie makes sushi!

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



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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-goalkeeper 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



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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 surfaces‹ 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

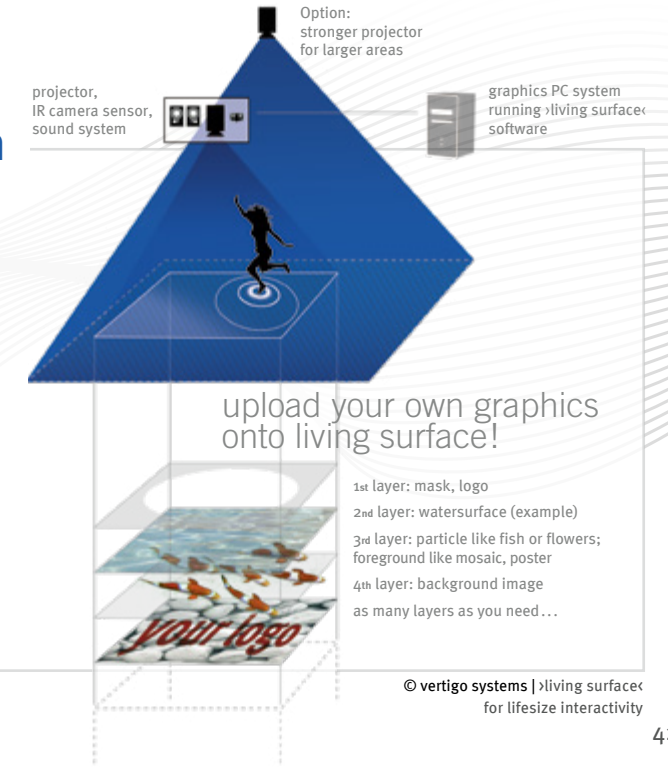


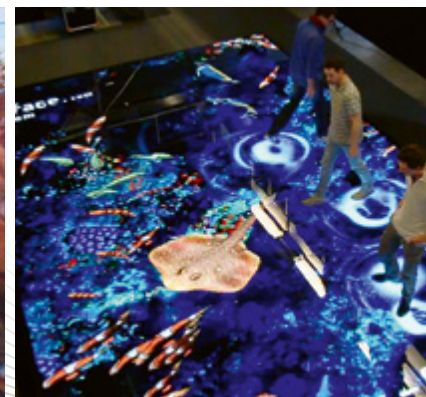
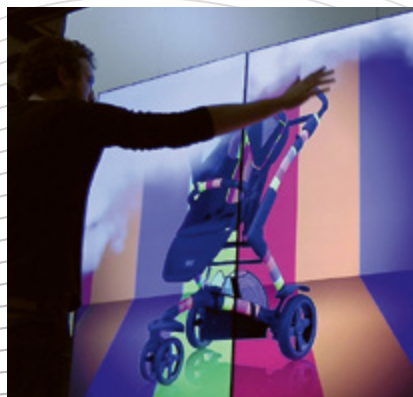
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living surface interactive content design

- 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







customers and brands

selection of international brands who trust in vertigo systems:



EPSON



Postbank



STRABAG

GÖRTZ



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