



Lagotronics **Projects**[®]

World's best interactive experiences!

creating
unforgettable
memories



Welcome to Lagotronics Projects

Thank you for your interest in our company and our business!

We have been creating unforgettable memories since 1979. Having started out in the audio and lighting business, today we create interactive experiences for theme parks, museums, amusement parks, waterparks and shopping malls.

We have been pioneers since our earliest beginnings, providing innovative solutions in the field of interactive systems, game development, audio, video, lighting, show control, Virtual and Augmented Reality. We don't just push boundaries – we break through them.

Working all around the world with state-of-the-art technology always offers great opportunities. And luckily, at Lagotronics Projects, we love a good challenge.

I believe our strength is in knowledge, innovation, customized solutions and out-of-the-box thinking. However, we cannot achieve our goals without our staff. They're passionate, highly knowledgeable and very involved in our business. I'm proud to be part of this amazing team.

Mark Beumers
CEO, Lagotronics Projects BV

This brochure offers an overview of our main activities and a number of showcases and concepts – each capable of creating unforgettable memories. I hope you enjoy it.

Please let me know your thoughts about our company, projects or ideas:
mark@lagotronicsprojects.com / +31 77 320 4333



“Delivering smiles to our customers
and their visitors is the best reward
I can possibly imagine.”

Mark Beumers - CEO Lagotronics Projects BV

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Creating unforgettable memories

What we're good at

Thanks to our extensive knowledge, expertise and experience, we are seeing increasing demand for our services. We create unique, customized solutions for our clients by combining the following technologies:

- Interactive (ride) systems
- Game development
- Audiovisual
- Lighting
- Show control
- Virtual and Augmented Reality

Industries we work in

Our leading edge, high-quality solutions offer unforgettable experiences to visitors of leisure businesses such as theme parks, museums, amusement parks, shopping centers and retail areas. We make sure your visitors leave with a big smile on their face.

World's best interactive experiences

Lagotronics Projects has developed the world's best interactive systems. By integrating our system in your leisure facility or ride, we make sure your guests have an unforgettable experience. Did you know our system can also be integrated to upgrade existing attractions?

How does our interactive system work?

In this brochure we explain how our interactive system works. First, there is a controller. For example, a magic wand, camera, fantasy shooter or touchscreen. With this controller you aim at targets. These can be physical targets, video games or a combination of both. Hitting a target triggers special effects, such as animatronics, lighting, sounds, wind, heat, vibration, etc. And of course you can play your very own (3D) game! In addition to this interactive range of products, it is also possible to add Virtual or Augmented Reality!



First, pick up a controller...

To hit a target and trigger special effects, you need a controller or device. These come in all shapes and sizes, and can be designed completely to your specifications, for example matching the theme or story of your leisure business or particular ride.

We offer different types of controllers: handhelds, cannons, swipe control and even hand symbol control!



Learn more about our controllers and their specs on page 46!





Then... try to hit the targets!

Start playing your game! Can you hit the targets using the controller?
There are two types of targets: physical targets and video games.



Visible target



Visible decorative target



Virtual target



LCD-monitor



Projection



Projection mapping

Physical targets

A physical target can be disguised as virtually anything: an animatronic, a lamp on the wall, a clock, a coffee cup – you name it. Anything that fits your story or theme. A target can be stationary or moving, containing light, sound, etc.

Video game

It's also possible to integrate video games into your ride or leisure area. These are video screens (2D or 3D), for example projection screens, LCD displays or projection mapping, playing real-time video game content. Wouldn't it be great to add an amazing video game to your ride or leisure center? Of course, Lagotronics Projects can develop the most fantastic games for you.

And best of all: a combination of both physical targets and video games is also possible. Your guests will remember this experience long after their visit.

Enjoy dazzling special effects

Did you manage to hit a target? Nice work! As a reward, you'll be treated to a range of great effects!

Audio

We can provide the perfect audio system for any area, attraction or ride. Sound effects, multiple zones, music in your shop or in the queue area, indoor or outdoor – anything is possible. And thanks to our long-standing history in this industry, we carry some of the world's best audio brands. All audio can be linked to the interactive system.

Video

If you choose to integrate 2D or 3D video games, we offer world-class solutions. From projection screens, LCD displays to projection mapping, we can create installations with both large and small screens.

Lights

We have been designing, supplying and installing lighting all over the world since 1979. Many theme park rides and attractions have been enhanced by our spectacular light shows. All lighting can be linked to the interactive system. So imagine how great your light show could be! And of course we use energy-efficient, low-maintenance LED lighting.

Special effects

Wouldn't it be great to have your visitors meet animatronics during their ride which suddenly start talking and moving? And what about having a warm breeze wash over them, or feeling sudden vibrations? We offer a wide range of special effects to make your ride or attraction even more special – and your visitors smile even bigger.



Ultimate game & ride experience

Integrating gaming in a ride or attraction is one of our specialties.

Imagine 3D projectiles flying out of the shooter into a game scene, and from the scene towards the player!

Unique and realistic

Our groundbreaking technology offers visitors a unique and realistic game experience. During the ride, player scores are displayed on screens inside their seats. And at the end of the ride, the scores are displayed on a big screen – including photos of all the players!

In house game development

Did you know we have our own game development studio? Our game designers have over 25 years of experience in developing games for both the dedicated video game industry and major theme park attractions!



Virtual and Augmented Reality

With years of experience in hardware and game development, the step towards Virtual and Augmented Reality was a very logical one for Lagotronics Projects.



Imagine the possibilities when you connect Virtual and Augmented Reality with our interactive products! The opportunities are endless. It gives a great extra dimension to the virtual experiences in a ride or area. It allows the visitors not only to view the virtual environment, but also directly interact with it!

By adding Virtual or Augmented Reality, visitors can be treated on every imaginable environment during the ride. These new experiences can be applied to both new and existing rides. But it's also a great option to enhance experiences in a museum!



Showcases and concepts

You now have an idea of how our interactive system works. On page 46 you can see the entire system in a consolidated view. To show you how and where our interactive system can be realized, we proudly present some fantastic showcases and concepts.

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Toverland / The Netherlands

You make things happen!

This attraction has visitors trigger exciting events during a walk through a building, room or area.

For example: start your own exhibition in a museum: collect all of the dinosaur bones to complete the dinosaur skeleton. During your search you can make dinosaurs roar and have Fred Flintstone teach you about prehistory!

And how about putting together your own car by collecting parts throughout a car museum? Can you create a Ferrari or Volkswagen van?

This interactive system is also a perfect fit for shopping malls. Imagine your children playing for discounts on your purchases – that would make shopping fun for the whole family!

The battery-powered handheld controller can be any design: a magic wand, wrench or a dinosaur bone. You name it!

Aim and hit (physical) targets to trigger special effects!
Bewitch a wall in a magic house to light a lamp, make a spider crawl down or have a picture start talking!



Interactive walk-through

Candy Puzzle

Solo drive-through

Create your own interactive single-player experience

Play a single-player game while riding a vehicle!

Driving through a ride, sitting or standing in a vehicle, you'll enjoy a single-player interactive experience! The type of controller installed on the vehicles is the customer's choice. Trigger special effects by hitting physical targets, which are incorporated in the scenery.

Playing virtual games on video screens is also an option. And in addition, even a combination of physical targets and video screens is possible. This ride is small and compact with a lower capacity, and because people are restrained in a vehicle, completely vandalism-proof.



Bring the world to life!

A typical interactive outdoor ride, driving through beautiful scenery or landscapes, bringing the world to life!

Unique and funny, due to the interactive touch.

Every vehicle is equipped with one or more controllers (such as photo cameras, shooters, flashlights, etc.)

By hitting scenery targets or animatronics, you'll trigger special effects such as sounds or noises, lights, movement, wind and vibrations.

You can score points by hitting or catching as many targets as you can.

Have you ever considered refurbishing an existing ride? An upgrade is a great alternative to investing in a completely new ride, and your visitors still get to enjoy a brand new experience! The Foto-safari ride at Rasti-land is a great example.



Interactive outdoor ride



Rasti-land / Germany





Interactive rollercoaster



A spectacular interactive thrill ride combination

Shooting targets during a rollercoaster ride is guaranteed to add to the thrill! An interactive rollercoaster can be an indoor dark ride or an outdoor ride, slow-moving or fast (or a combination of both).

During the rollercoaster ride you can hit targets on the sides of the track with your shooter, triggering special effects (light and sound).

A unique option in the indoor dark ride is to create stops during the ride where you can play your own game on video screens. This gives a surprising extra dimension to the experience!



Classic tower

The classic tower ride, evolved

Offer your visitors a brand new teamwork experience by making a small-scale tower attraction interactive!

This can be done by creating an interactive gaming experience in the ride. You can aim a handheld controller at different targets placed around the tower. Hit them and score points or trigger special effects!

Even a combination of special effects and scoring points is possible. In an indoor tower ride you can also integrate 3D video gaming (optionally in combination with physical targets).

Existing tower rides are very suitable for an upgrade, to turn them into fantastic interactive experiences! For example the Heege Tower at Potts Park.





Interactive Kiddy Flyer



A Interactive Kiddy Flyer is for both indoor and outdoor. An existing carousel is very suitable to turn into an interactive experience!

A merry-go-round with an interactive twist

Your children will love our interactive take on the classic carousel. By installing interactive devices on the vehicle/seats, children can aim targets on a decorated wall during the ride.

By hitting the targets, they score points and trigger special effects. Challenging, funny and something different!

A traditional dark ride... with an interactive twist

Did you know that existing traditional dark rides can easily be upgraded to interactive dark rides?



Europa Park / Germany



An exciting interactive experience

Classic dark rides usually take your visitors on a passive journey through beautiful scenery. But what if they could interact with that scenery?

Every vehicle in the ride is equipped with controllers (handheld or fixed devices). Targets are installed throughout the ride: these can be single targets incorporated in the scenery, but they can also be disguised as beautiful animatronics or decorative objects.

Hit a target to score points or trigger special effects like wind, sound and lighting. Visitors can track their score on the score display in their vehicle. And at the end of the ride they

can compare their score with fellow players on a big screen! Didn't get the highest score? Trust us – they want to try again!

GameCabin



Standalone 3D game experience

Have your visitors play the lead role in world-class games!

Our GameCabin has a modular design, small footprint, various lay outs and installation options. It's a combination of 3D video screen, full HD images, imaginative fantasy shooters, audio and high fun factor games. Very suitable for various types of entertainment and leisure centers!

We can build the GameCabin to suit your needs:

- We make GameCabins from 1 up to 50 players or even more
- You can enhance your GameCabin with decoration, physical targets and animatronics and special effects like wind, vibration, lights, sounds, etc.
- Another fantastic option is to create a GameCabin on a motion base

We've developed great 3D games that are funny and child-friendly. But we can also develop a unique custom game especially for you.



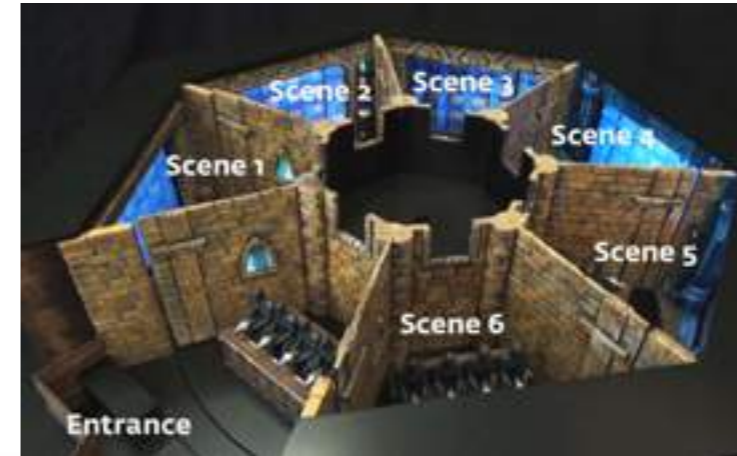
The ultimate rotating 3D gaming platform

Imagine getting into a vehicle on a platform that rotates like a revolver – and after every turn, you get to play an amazing 3D game!

The GameChanger is an interactive 3D ride that offers huge capacity in a relatively small footprint. This ride has many different arrangements that can be customized to your property. So this game can be played all around!

Every vehicle has great fantasy shooters installed on it. We can integrate physical targets or video game targets in this ride, but of course a combination of both is also possible. We can provide fantastic special

effects, stunning scenery and beautiful animatronics. We can even develop the custom-made games, fitting your theme or story. The GameChanger is an innovative new kind of ride, which has endless possibilities!



GameChanger

ULTIMATE ROTATING GAMING PLATFORM



Shimao Skyscrapers City / Shishi, China

Interactive Media dark ride



Wanda Mall / Nanchang, China



Play & ride this interactive 3D dark ride

Step into an interactive 3D world and experience your own game!

The Interactive Media dark ride is an 3D dark ride, with controllers and score displays installed in the vehicles.

Choose one of our fantastic interactive controllers and create a unique experience. We are able to use 3D or 2D projection screens or LCD displays.

You play the games while driving through the various game scenes, and your personal score is displayed on the score display inside your vehicle. Integrating special effects in this ride is a great way to enhance the experience even further.

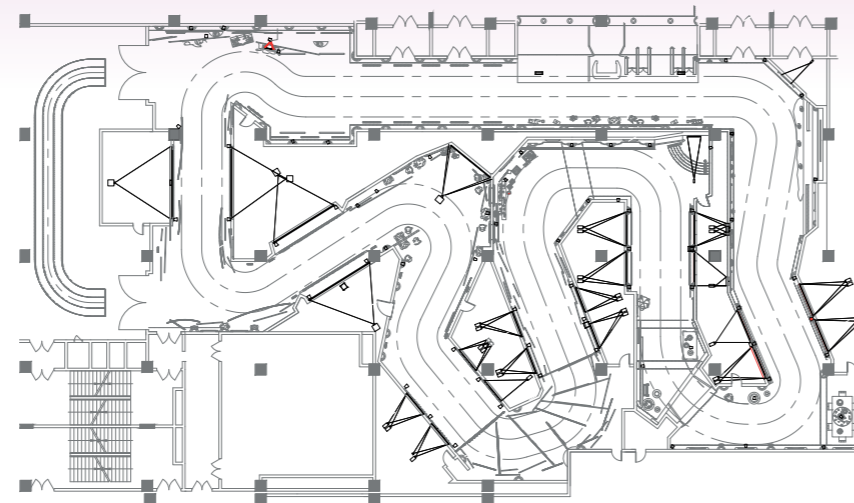
At the end of the ride, all player scores are displayed on a huge screen. And of course, Lagotronics Projects can develop the most fantastic games for you!



Interactive Media Combi dark ride



EON TIME WORLD / Harbin, China



Similar to the Interactive Media dark ride... with an extra touch!

A unique combination of interactive 3D video displays, animatronics, separate targets and matching scenery brings the game to life, creating a truly immersive experience.

This interactive 3D dark ride has controllers and displays installed in the vehicles. Besides playing on 3D projection screens or LCD displays, you can also try to hit various physical targets.

These physical targets can be incorporated into the scenery or disguised as animatronics or decorative objects. Your personal score is displayed on the screens inside your vehicle. Special effects can be integrated to enhance

the experience even further. At the end of the ride, all player scores are displayed on a big screen. And of course, we can develop the most fantastic games for your ride!

Virtual interactive experience



Create your own virtual adventure

Have you ever thought of adding Virtual or Augmented Reality to a ride or area? It will give your ride or experience a great extra dimension for your visitors!

Imagine your guests entering a ride or building, putting on their VR-glasses and starting an unbelievable virtual adventure. They'll enjoy a great time, walking or riding around in a fantastic virtual environment.

During their ride or trip, they have the possibility to interact with the

virtual environment or scenery. For example by using hand gestures or controllers. In this way they create their own experience by making things happen and seeing things that don't really exist!

Virtual and Augmented Reality is a fantastic way to create new innovative experiences for your guests. With new hardware being available every day, the future looks bright for amazing effects to be added to all kinds of amusement rides or experiences. Especially when you link it to our interactive products!



State-of-the-art technology

Our creative drive and extensive experience guarantee stunning audiovisual and lighting projects each and every time!

Audio

We offer top-of-the-line audio systems for any setting. Thanks to our long-standing history in this industry, we carry some of the world's best audio brands.

Video

We provide world-class video solutions: projection screens, LCD displays and LED walls, from small to large, with optional touch functionality to open up countless interactive possibilities.

Lighting

Our decorative lighting installations create impressive and appealing atmospheres. Architectural lighting illuminates or accentuates buildings and bridges. All lighting solutions are energy-efficient and low-maintenance.



















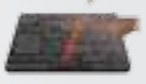


Total solutions

Lagotronics Projects realizes projects that combine audio, video and lighting products in settings ranging from business environments to large installations in museums and auditoriums, all powered by our cutting edge show control and interactive technology.

Audiovisual & lighting

Interactive System Overview

Choose your controller, hit your target and enjoy...

Controllers	Wired	Wireless	Indoor	Outdoor	Fixed	Handheld	Steel frame	Physical target objects	Wired	Wireless	Indoor	Outdoor	Fixed	Moving	Lightening	2D	3D	Interactive Output	Contact closure	DMX	Serial connection	CAN bus	Time code	
 Magic Wands	•	•	•	•	•	•	•	 Visible target	•		•	•	•	•	•			 Animatronics	•	•	•	•	•	
 Gun	•		•	•	•	•	•	 Visible decorative target	•		•	•	•	•	•			 Special effects	•	•	•	•	•	
 Torchlight	•		•	•	•	•	•	 Virtual target		•	•		•					 Lights	•	•	•	•	•	
 Camera	•		•	•		•		Video Game										 Audio	•		•		•	
 Cannon	•		•	•	•		•	 Projection			•		•	•		•	•	 Video	•		•		•	
 Virtual Shooter	•	•	•			•		 LCD-monitor			•	•	•	•		•	•							
 Swipe			•		•		•	 Projection Mapping			•		•	•		•	•							
 Hand Symbol			•		•																			

All controllers, targets and outputs are customized, fitting your theme or story.

One-stop shopping

The entire package

Lagotronics Projects can provide a turn-key solution for a complete interactive attraction. We can deliver the entire package from design to installation, including ride system, decoration, animatronics, special effects, audio, video, lighting and of course our interactive system. Even Virtual and Augmented Reality is an option. For products that are provided by third parties, we only work with reliable suppliers. In short: Lagotronics Projects can be your one-stop shopping partner for a great interactive experience!

Turn a classic ride into a modern-day hit!

It's not always necessary to invest in completely new rides or attractions. Upgrading an existing ride into a whole new interactive experience is a great alternative that can offer significant benefits to your business. And most importantly: your visitors get to experience a completely new attraction!

Lagotronics Projects Mainframe

Interactive Controllers

Targets

Score Management

Operator, Safety and
Maintenance Information

Redundant

Interactive Parts by
Lagotronics Projects

Animatronics

Game Software

Photo System

Special Effects

Video

Lights

Audio

Ride System

Additional Parts by
Lagotronics Projects
or third party

Decoration

Ride System

Supplied
by third parties

World's best interactive experiences!

Partner
Ride Entertainment
Stevensville, USA

Partner
ARC BV
Valkenswaard, The Netherlands

HQ
Lagotronics Projects BV
Visiting address
Noorderpoort 28
5916 PJ Venlo
The Netherlands
Postal address
Postbus 171
5900 AD Venlo
The Netherlands

Contact
T. +31 77 320 4333
E. sales@lagotronicsprojects.com
www.lagotronicsprojects.com

Partner
SMART Rides GmbH
Leienkaul, Germany

Partner
Shanghai Betop International Trade Co., Ltd.
Shanghai, China

Partner
Lagotronics Philippines Inc.
Angeles City, Philippines





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VO2-2017

