

See you in the Tube



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Since 1981 year after year AQUARENA has set new standards in the design and construction of slide systems and adventure worlds for children across Europe and provides everything from a single source: from concept, design, engineering, manufacturing and installation to commissioning and TÜV inspection.

AQUARENA builds multifunctional water areas that make children's hearts beat faster, with great emphasis on safety and quality.

We guarantee the highest possible safety standard. The AQUARENA slide system corresponds to European standard EN 1069 and all applicable directives.

Safety, quality, innovation and fun - that's AQUARENA.

Ferien- und Freizeitpark Weissenhäuser Strand, Weissenhäuser Strand.

Swimming Pools become Worlds of Adventure

Open waterslide complexes appeal to a large target group. The slides are suitable for young and old, and exciting competitions often take place between bathers during their visit. Unadulterated fun! AQUARENA waterslide complexes are available in 6 different sizes.

Different turn radiuses, straight sections and acceleration elements guarantee variety and sliding enjoyment.

AQUARENA plans all slide complexes individually. Our own Serviceteam is responsible for installation and also for after sales service.





Tube Slides – All-round Fun

AQUARENA tube slides are available in 5 different diameters, as complete black tube (Black Hole) or with colorful design, it's your choice! Crystal elements are special eyecatchers. We manufacture our CrystalTube straight or curved.

Different light- and sound effects and a creative planning guarantee an exciting ride. We are able to deliver all our tube slides with insulation.

Insulation provides energy cost savings through heat and sound protection for the operator, and noise protection for surrounding inhabitants.



wide slide in one.



Kids are guaranteed to have plenty of fun with the varied TrioSlide. The TrioSlide provides a varied ride. And is a real space-saver. Even with integrated fiberglass safety steps and a starting platform, it requires minimum space. This means that the procurement, installation and operating costs are accordingly low for the operator. Other benefits: high capacity and excellent price-



Giant slides in a small format provide plenty of fun for little ones.

> A small-format AQUARENA slide transforms the children's area of your pool a great attraction and a magnet for families.

And if the kids are having fun, the par-

ents are guaranteed some relaxation. Waterslide Type: Our kid's slide is an eye-catcher and particularly suitable for adding excitement to formerly plain paddling pools. Use: Minimum age:

AQUARENA's AquaWide slides are classic family slides. The moderate starting height creates a pleasant speed that will appeal to bathers of all ages.

With an AquaWide there is little or no waiting time for guests. Also available with individual slide separation of 2 to 4 slides.

Technical Data FamilyFun

water slides

OPERATIONAL DATA

WR0600, WR0900, WR1200

WR1500, WR2000, WR3000

body slide WR 0600, WR0900,

WR1200 Inner-Tube:

WR1500, WR2000, WR3000

from 6 years,

kid's slides from 3 years < = 8 m/s = 28,8 km/h

Speed: Bodyslide 150 persons/h, Inner-Capacity:

Tube 250 – 1000 persons/h

TECHNICAL DATA

splashdown (bodyslide), safety Landing:

run-out, safety landing pool,

shallow water run-out

fiberglass, translucent or Material:

opaque, RAL color

OPTIONS

• Time measurement, traffic lights

tube slides

OPERATIONAL DATA

Tubeslide RR0825, RR1200, Type:

Inner-tube RR1500, RR2000,

RR3000

body slide RR0825, RR1200 Inner-Tube RR1500, RR200,

RR3000

from 6 or 8 years, Minimum age: kid's slides from 3 years

Bodyslide 150 persons/h, Inner-

Capacity: Tube 250 - 1000 persons/h

TECHNICAL DATA

splashdown (bodyslide), safety Landing:

run-out, safety landing pool, shallow water run-out

fiberglass, translucent or

opaque, RAL color

 $40 - 1000 \text{ m}^3/\text{h}$ Water volume:

OPTIONS

- Light and sound effects
- Themes
- Time measurement
- Traffic lights
- Heat insulation
- Sound insulation



AquaRiver pure Canyoning

Sometimes tame and sedate, sometimes wild and untamed like a white water river. Turns and intermediate pools in free-form style leave no wish unfulfilled and allow ambitious design options even with difficult layouts. The AquaRiver can also be run an open outdoor slide even in winter. The strong, powerful current gives the rider a completely new sliding experience.



AquaRacer – pure Racefeeling



Need the Speed? The AquaRacer is a varied tube slide with different diameters, long, wide, straight sections and tight turns. Different gradients set an exciting tempo - get that race feeling!

A high fun factor is guaranteed when several people speed down the slide in double, triple, or multi-person Inner-Tubes.



Technical Data RiversAction

AquaRiver

OPERATIONAL DATA

Bodyslide

8 - 12 years, depending on Minimum age: type, confident swimmers only

5 m/s = 18 km/hSpeed: 1500 persons/h Capacity:

TECHNICAL DATA

from approx. 40 m Slide length:

Starting height: ~ 2 - 4 m

WR1200, WR1500, AR0900 Slide diameter:

with or without intermediate

individually formed landing Landing:

fiberglass, opaque, RAL color Material:

1500 – 2000 m³/h Water volume:

OPTIONS

- Water curtain
- Tunnel cover
- Light effects
- Shutter closing upon penetrating facade

AquaRacer

OPERATIONAL DATA

Inner-Tube, 1, 2 and Use: 3-person tubes

6 years

Minimum age:

up to 1400 persons/h Capacity: with a double start

TECHNICAL DATA

Slide diameter: combination of diameters AW2500, RR1500, RR2000,

RR3000, MT2500

shallow water run-out Landing: ~ 10 m length

fiberglass, translucent

or opaque, RAL color

Water volume: 360 – 500 m³/h

OPTIONS

Light and sound effects

Themes (racer design)

Traffic lights

Miramar, Weinheim.



AquaCrater – simply Gigantic!

Sliding through the AquaCrater is a whole lot of fun. The sliding experience on the mega slide is simply unbeatable! The AquaCrater itself is in the form of a giant cone with a width of 18 meters and it's one of the top attracion in water parks.

Riders start out on the AquaCrater with a three meter-wide slide. Halfway along the route the slide closes into a tube with a gigantic diameter of three meters. At the end, this monster tube empties into the AquaCrater. The generous diameter of the tubes means that it can be used with all multi-person tubes and boats.

The multi-person rafts build up some momentum whilst traveling down the slide and slide up and down several times in the AquaCrater. You ride the whole AquaCrater in this way until the rafts enter to the slide at the end and are guided into the end pool.

The AquaCrater at the most modern Aquapark in Czech Republic, Aqualand Moravia.



Technical Data SwingSlide

AquaCrater

OPERATIONAL DATA

AguaCrater Type:

tube or raft slide, use with Use:

3, 4 or 6-person rafts

360 or 500 - 700 persons/h Capacity:

TECHNICAL DATA

50 - 100 m, plus AquaCrater,

diameter 18 m

Starting height: 12 - 18 m

Slide diameter: WR3000, RR3000 + AguaCrater D = 18 m

surf landing in pool or Landing: shallow water run-out

Space

approx. 55 m x 26 m requirement:

or 45 m x 35 m

1000 m³/h Water volume:

OPTIONS

- Traffic lights
- Designed as closed tunnel (AquaCone) for year-round use
- Heat insulation
- A tube lift is recommended for larger tubes

AquaCone

OPERATIONAL DATA

transition to waterslides Type: or tubeslide

tube slide, use with

1, 2, 3, 4-person tubes

8 years Minimum age:

180 or 360 - 700 persons/h Capacity:

TECHNICAL DATA

approx. 7,5 m, variable Slide length: Slide diameter: cone 4,50 or 1,50 m shallow water run-out Landing:

Water volume: 2 x 100 m³/h

Boomerang

OPERATIONAL DATA

Boomerang Type: tubeslide, 1, 2, 3 Use: and 4-person tubes

8 years Minimum age:

10 m/s = 36 km/hSpeed: 200 - 700 persons/h Capacity:

TECHNICAL DATA

from approx. 30 m Slide length:

Starting height: 5 – 16 m

Slide diameter: AWL, RR1500, WR1500, RR2000 ,WR2000, RR3000,

WR3000, AW2500, AW40000

shallow water run-out or surf Landing:

Water volume: $250 - 450 \text{ m}^3/\text{h} + 20 - 30 \text{ m}^3/\text{h}$

OPTIONS

- Themes
- Sensor controlled traffic light

AquaBowl – a unique Funnel Slide



The AquaBowl funnel slide is a unique slide with a high thrill factor. The funnel can be used as a bodyslide or tubeslide, with single or double inner-tubes, and even with triple tubes. Guest enjoyment is guaranteed.

The more experienced the rider is, the more rounds he can do in the funnel. When the speed drops, the rider slides into a giant "gullet", which leads into the end slide and finally to a safe landing in the pool.

The funnel slide can be operated outdoors or indoors. Various light and sound effects provide an additional attraction. For outdoor use, the funnel slide is also available with sound and heat insulation. Video transmission of the inside of the slide is available for supervision.

AquaBowl, Miramar Weinheim.



Body²Racer and Tube²Racer - Race to the Power

Who's the fastest? This kind of slide means thrilling high speed - man to man as Body²Racer or Tube²Racer. It is possible to use the Body²Racer with mats or just as Bodyslide. The Tube²Racer can be used with single or double innertubes.

Thanks to the time recording feature the competition element is enhanced further. Light and sound effects evoke a sense of racing fever among the bathers, just like the time recording feature and new Photosystem AquaClick.

The Body²Racer invented as competition slide really invites riders to slide again. Here, each against all in an exciting battle! Who can resist a re-run if they might come out on top?

Body²Racer at the ROBINSON Club Apulia.

> Two slides with exact the same length, open or enclosed:

Body²Racer, Ferienpark Schloss Dankern, Haren (Ems).

> Body²Racer at the Norwegian Gem.







Two times double adrenaline:
The Doble AquaLoop at
Kristall Palm Beach at Stein,
Nuremberg (left) and at
Woergeler Wasserwelt
in Tirol (above).

AQUARENA has turned the world of slides on its head with the development of the AquaLoop with AquaRocket. The AquaLoop is a crowd-puller. Visitors' excitement is palpable at every second. Pure adrenaline!

The trap door opens and riders drop virtually in freefall. The fast ride leads to a nearly vertical loop, where the surprised rider learns to overcome gravity. When you arrive at the bottom, take a minute to gather your composure: it was quite a ride!

Spectacular Start for the AquaLoop and an absolute novelty in the world: The first curved CrystalTube at Calypso, Saarbrücken.



Sliding championships on the TurboSlide are a real hit! With a time measurement system, riders don't just want to be faster than others, they also want to beat their personal best – or even break the record for the day!

The TurboSlide is fast, bendy, varied and really fun. Thanks to the tongue and groove system with low-maintenance resin joint filling, the joints can hardly be felt.

The high-speed slide with a rocket launch: TurboRocket.

Seamless tube slide without lengthwise flanges, with AquaRocket and self-launch, guarantees the maximum adrenaline rush.



AquaRocket – the Rocket Launch with a Trap Door

Enter zero gravity through a door. The glass panel at the start of the rocket ride not only gives a view into the void, but provides bystanders with a glimpse of the brave person about to rocket launch onto the water slide.

Once the access door has been closed, the countdown begins. Three-two-one... In this moment, the adrenaline flows through every vein in your body. The trap door opens; there is nothing left to hold you. You fall into the abyss.

JumpingBull – the Double-Action Launcher

Guaranteed to provide a very special experience: self-launch and countdown — plenty of courage goes a long way! 3-2-1, the countdown goes and soon you are flying over the water. Well suited to diving pools for other uses. Fun to the power of ten, for spectators and riders.

With an approximate launch distance of 4 to 6 m the Jumping Bull throws you out.

Also available with self-release.

AquaRocket offers maximum thrills. Adrenaline is guaranteed. Spectacular for the user and the spectator.



Technical Data AdrenalinSpeed

AquaBowl

OPERATIONAL DATA

AguaBowl Type: bodyslide or tubeslide

Use: 8 years Minimum age:

> 10 m/s = 36 km/hSpeed:

150 – 300 (2-person tubes) Capacity:

persons/h

TECHNICAL DATA

approx. 30 m - 100 m Slide length:

Starting height: > 12 m > 20 % Gradient:

R1200, RR1500, bowl D=10 m Slide diameter: splashdown (bodyslide only), Landing:

safety or shallow water run-out

fiberglass, translucent or Material:

opaque, RAL color

2 x 200 m³/h + 10 m³/h 3 bar Water volume:

Tube²Racer

OPERATIONAL DATA

Tube²Racer Type:

single or double innertubes Use: 8 years, depending on speed Minimum age:

> 6 m/s = 21 km/hSpeed: 500 persons/h Capacity:

TECHNICAL DATA

Slide length: 2 x 60 - 160 m Starting height: 8 - > 16 m > 10 %

Gradient: Slide diameter: 2 x RR1500 or WR1500

safety run-out, I anding:

shallow water run-out

fiberglass, translucent or opaque, RAL color

Water volume: 2 x 360 m³/h

OPTIONS

Material:

- Light effects
- Sound effects
- Speed measurement
- PhotoShotSystem AquaClick
- Applause

Body²Racer

OPERATIONAL DATA

Body²Racer Type:

bodyslide or with mats Use: 8 - 12 years, depending Minimum age:

on speed

> 6 m/s = 21 km/hSpeed: 240 persons/h Capacity:

TECHNICAL DATA

2 x 40 - 120 m Slide length: Starting height: 8 - > 15 m > 10 % Gradient: Slide diameter: 2 x RR0825

shallow water run-out Landing: fiberglass, translucent Material: or opaque, RAL color

Water volume: 2 x 90 m³/h

OPTIONS

- Light effects
- Sound effects
- Speed measurement
- PhotoShotSystem AquaClick
- Applause

AquaLoop/Double-AquaLoop

OPERATIONAL DATA

AquaLoop/Double AquaLoop Type:

bodyslide Use:

10 years, at least 45 kg, Minimum age:

max. 130 kg

> 15 m/s = 54 km/hSpeed: 150 persons/h

Capacity: supervision at the start, Safety:

safety PLC

TECHNICAL DATA FOR AQUALOOP

Starting height: from 10 m Slide diameter: RR0825

shallow water run-out Landing:

120 persons/h Capacity:

fiberglass, translucent or Material:

opaque, RAL color

5 m³/h + 3 x 2.5 m³/h 3 bar, Water volume:

90 m³/h

OPTIONS

- Light effects
- Sound effects
- Heat and sound insulation
- Time and speed measurement
- Video and photo systems

TurboRocket

OPERATIONAL DATA

TurboRocket Type: bodyslide Use: 8 - 12 years, Minimum age: depending on speed > 14 m/s = 50 km/h

Speed: 150 persons/h Capacity:

sensors and/or turnstile Safety:

at end, safety PLC

TECHNICAL DATA

approx. 20 - 80 m Slide length: Starting height: ~ 6 - 20 m

RR0825 Slide diameter:

shallow water run-out Landing: fiberglass, translucent Material: or opaque, RAL color

10 m³/h + 90 m³/h Water volume:

OPTIONS

- Light effects
- Sound effects
- Themes
- Speed measurement
- Video recording
- PhotoShotSystem AquaClick

TurboSlide

OPERATIONAL DATA

TurboSlide Type: bodyslide Use: 8 - 12 years, Minimum age:

depending on speed > 14 m/s = 50 km/h

Speed: 150 persons/h Capacity:

sensor controlled traffic Safety:

light with turnstile

TECHNICAL DATA

approx. 20 - 80 m Slide length:

Starting height: ~ 6 - 20 m RR0825 Slide diameter:

shallow water run-out Landing: fiberglass, translucent Material:

or opaque, RAL color

90 – 120 m³/h Water volume:

OPTIONS

- Light effects
- Sound effects Themes
- Speed measurement
- Video recording

LED Effects, Daylight Effects, Interactive Effects, Entertainment

Seamlessly incorporated translucent areas, such as stripes, spots and even images create a "Wow"-effect. Daylight illuminates the effects in different colours.

The Photosystem AquaClick enables crystal-clear, high resolution images to be taken of the guests in the AquaLoop and other enclosed water slides.

The Photosystem AquaClick is very flexible and can be adapted to all requirements or extended as required – yet another reason to smile!

You can print out the action photo in high resolution quality using the clear touchscreen user interface or share the photo in the new medias with





Landings

AQUARENA provides for every requirement the right landing, and optimal, space saving solutions.

Shallow water runout - a braking channel with increasing water depth and overflow gully.

The so-called "sofa outlet" is suitable to build into an existing pool.



Insulation – double the benefit!

Reducing energy costs is close to our hearts at AQUARENA. With the AquaEco-Energy heat and sound insulation system, heat loss is reduced, and any sound disturbance in the surrounding area will be eliminated.





Polymer concrete steps, anti-slip and safe. Fårup Sømmerland, Denmark (left).

BuildingFeatures and SafetyFeatures

You get an all in one slide unit. AQUARENA delivers steps and slides, fully assembled. The slide units are generally equipped as a complete unit including a set of steps. The AQUARENA steps are visually striking and increase your guest's anticipation of an exciting slide experience.

The AQUA-TRAFFIC-CONTROL traffic light unit – a careful designed and established proven equipment to guarantee a sufficient safety distance between the users.

A timer display can come along with the sensor controlled AQUARENA traffic light unit. This timer display is just perfect for entertaining events such as a sliding competition! A public viewing screen with a 32" display adds to the excitement and involves all your visitors in the sliding contest.





AquaFun – the Water Park for Young Families

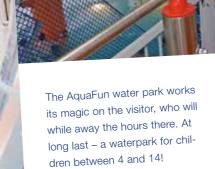
We guarantee you an increase in visitor numbers and families as satisfied repeat customers with the new AquaFun water park. It makes water an experience!

More than 30 play and water attractions guarantee no end of fun, action and adventure. Various water slides, crawl pipes, tipping buckets, water wheels, spray cannon, water jets, climbing nets and bridges invite you to play, move and mess around.

> The highlight: A large tipping water bucket with capacity of up to 1500 liters which empties with a splash.



By building more than one level, the space of even very small areas (from 70 m²) can be used effectively. The AquaFun water park is completely customized to your choice and to your facility.



Wellnesshotel



Your children's areas will become islands of discovery with our wide range of themed play equipment. The little ones will just lose all track of time with the variety of water attractions as they pump, spray, dam, shoot and shower – in no time at all.

In our range we have Archimedes spirals, gold panning areas, treasure chests, spray and bubble stones, steering wheels, dams, water courses, tipping bucket trees, sailing games, fixed or pivoting cannon, barrel showers, water wheels, tipping buckets, waterfalls, handle pumps, trees, and much more.





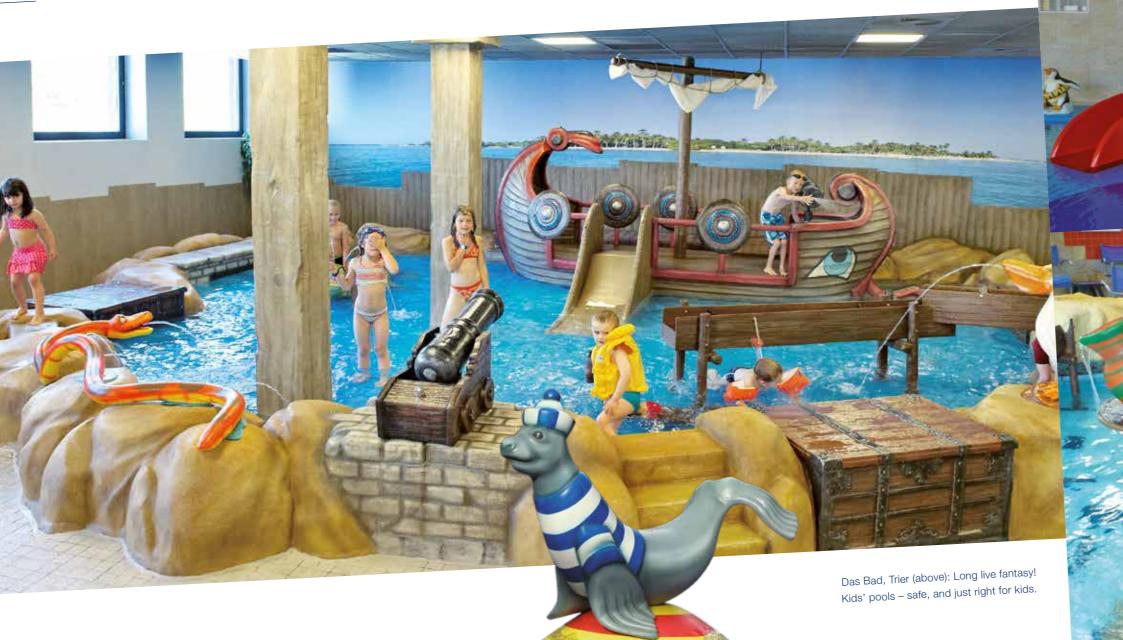
Play Ships – Permission to Come on Board!

With one of our play ships, anyone can be a pirate and paddle in the water to their heart's content – kids and adults alike. The pirate ship offers water slides, spray cannons, climbing areas, sailing games and tipping buckets which promise an unexpected shower. Hidden floor jets can be controlled using the ship's wheel, great fun for the helmsman.

The ship is made individually in accordance with the clients' instructions and adapted to the requirements on-site. Other features are the solid sub-construction, anti-slip standing areas and chlorinated water resistant material.



ArtLine – Extraordinary Kids' Landscapes



In close collaboration with our clients, we produce pools, ships, buildings, animals and machines to suit the widest range of themed worlds imaginable. A giant mouse world, a secret pirate bay or a forgotten Inca temple – we create landscapes where kids can play to their heart's delight. We design a large or small play landscape with all kinds of interactive play elements, which are worth exploring. A real dreamworld for kids.

A beautiful kids' pool invites the little ones to linger a little. A pleasant coating on the floor and integrated water attractions make you lose all sense of time. Kids' slides, spraying animals, bubbling stones, water wheels and the like – fantastical concepts guarantee success.

New consructions enable spectacular designs for childrens' pools. Likewise an istallation afterwards increases the value of the whole pool.



Hotel Alpenrose, Lermoos (above) and Ishara, Bielefeld

Spray Characters





Our spraying characters are suited for seating and deliverable in three varieties, permanent operation with an external pump, or manually operated with an pressure valve or a hand pump.

Standard figures as well as custom-made products are available in nearly every theming, size and colour.

Stock Resort, Finkenberg





At the AquaFun area of the Hotel Stock resort Finkenberg dreams of kids and teens come true.

While babies play with some spray characters in the wading pool the taller kids or grown up people are having a race on the tubeslide, the center piece of the waterpark, our 70 m waterslide.



Schloss Dankern, Haren



Jungle bridges, crawling tubes, action platforms as well as action-towers make off the AquaFun area a diversified



AquaFun area with a space of 300 m².

Nettunnel and crawling pipes connect the action platforms.

Hotel Riederalm, Leogang, Austria

Hotel Sonnwies,



Hotel Quellenhof near Meran, Italy

Familotel Huber at Vals, Italy









EagleDiver the new Takeoff for Tubeslides

Whether the ride brings you into the galaxies or along steep mountains, or anywhere else you can imagine, it is your decision - it is your theming.

Technical Data EagleDiver

OPERATIONAL DATA

starting element for

tubeslides like Freefall

and AquaLoop

Single or double Inner-Tubes

Minimum Age: 12 years

TECHNICAL DATA

Slide diameter: RR1500/WR1500 safety run-out,

shallow water run-out fiberglass, translucent or opaque, RAL color

OPTIONS

Landing:

Material:

- Light effects
- Sound effects
- Timecontrol
- PhotoShotSystem AquaClick



Memberships

Deutsche Gesellschaft für das Badewesen e.V. (German Pool Industry Association)

EWA, European Waterpark Association

IAAPA, International Association of Amusement Parks and Attractions

National standards commission NA112-05-01-AA "Swimmingpool facilities and equipment"

European Commitee for Standardization CEN/TC 136/WG 8 Swimming pools CEN/TC 136/WG 3 Waterslides and water play equipment



Our History

Founded by Uwe Hartwigsen.

1991

Manufacture of components in RTM process with an absolutely smooth surface.

1996

Reformation of the AQUARENA Freizeitanlagen GmbH due to takeover of the slide division of KVS, Krems, Austria. Transfer of shares by Uwe Hartwigsen to Jochen Bohnet, Rainer Braun and Jörg Hartwigsen.

1998

Reformation of FGGT due to takeover of the slide division of the company SGGT. Uwe Hartwigsen retires from the company.

1999

Development and construction of the first heat and sound insulation.

2000

Development of the AquaRiver.

First children's adventure worlds built.

2003

Construction of the world's first glasstube slide - CrystalTube.

2004

Merger with FGGT.

2006

Move to new premises in Jettingen.

2007

Development of AquaRacer, AquaChoice, AquaRocket and AquaLoop.

2008

Construction of the world's first looping water slide AquaLoop with AquaRocket.

Construction of the world's first double looping slide Double AquaLoop.

Construction of the first newly developed kids' areas AquaFun.

2013

Construction of the AquaCrater.

2014

New joint company identity of AQUARENA Freizeitanlagen GmbH Austria, and Hartwigsen Freizeitanlagen GmbH Germany as AQUARENA GmbH.

Invention of the new EagleDiver, the CrystalTube curved, Body²Racer, Tube²Racer, AquaCone, QuattroSlide and AquaCoaster.

2016

Construction of the QuattroSlide, Body²Racer and the AquaCone.



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