

EN

SCHNEESTERN

action sports engineered



BIKE

pump track





Most of the population likes to communicate and move. So, it is hardly surprising that we are increasingly looking for sport activities not only in clubs but also in everyday life. Modern sport facilities are both social meeting-points and open spaces for movement. Our concepts for pump tracks take up this philosophy.

When we speak of bike and skate sports nowadays, we speak of a broad social acceptance, as well as a huge following of young activists. The number of new riders in the field of biking and skating has been constantly growing for years. A development which depends on the increasing urbanization of sports with demand-oriented sports facilities.

It is an indisputable fact that an offer of freely accessible sport facilities provides great benefits for both human health and society. At this point, together with you, we would like to think in a new and most of all contemporary way. What priorities have you set for your city, community or tourist region in terms of promoting physical activity and the attractiveness of your location and do these priorities allow you to address children, young people and adults? When it comes to your offer for a modern society, what needs to happen to create attractive sport facilities within and to the benefit of your region?

How are you already perceiving this change in the open space and what does the future of individual sports look like for you?

Immerse yourself into the world of pump tracks and let yourself be inspired by our solutions.

The pump track as a communal sport facility



SPORTSGROUND2.0

Looking at municipalities and sport facilities in Germany and Austria, many similarities can be seen: Under high pressure to adapt and change, both must face a variety of challenges such as demographic change, changes in educational policies, shifts in sport interests, structural crises in public financing, etc. The logical conclusion is that both areas support each other in solving these problems.

The asphalt pump track manages this balancing act as it is a future-oriented sport facility, a so-called sports ground 2.0.

Modern sport facilities focus mainly on topics such as attractiveness of the location, education, health and social integration. Thereby the requirements for a sports ground 2.0 become clear:

It must be sustainable/long-lasting, offer a high social added value (a good social return) and at the same time be versatile and attractive for as broad a user group as possible.

Municipalities need a long-term location for many types of sport, instead of multiple facilities accommodating only one type of sport at a time.

The pump track meets exactly these requirements:

- Variety of user groups: mountainbikes, non-mountainbikes, skate & longboard, BMX, scooters, balance bikes, inline skates.
- Asphalt pump tracks are low-maintenance, safe from vandalism and therefore extremely durable as municipal sport facilities.

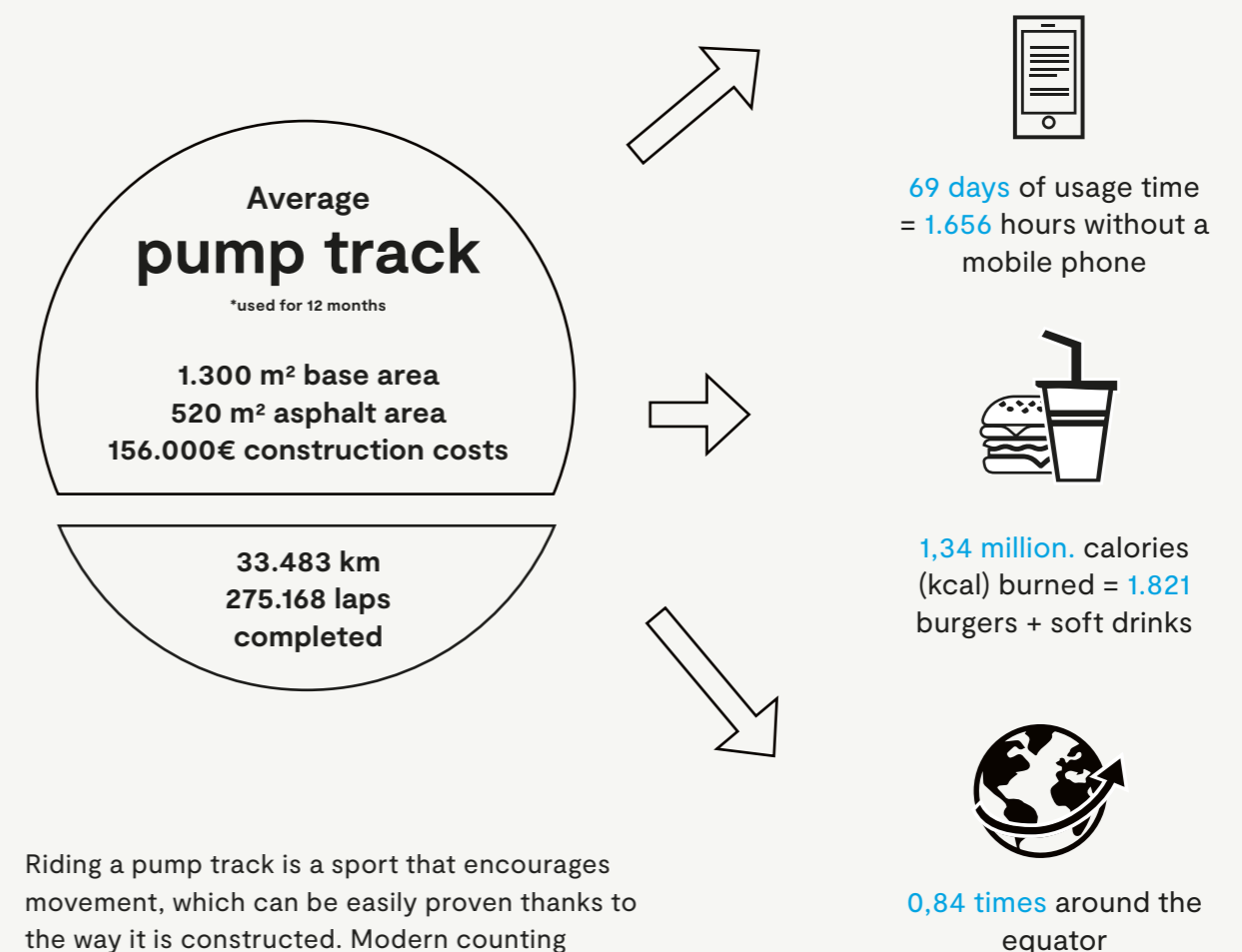
Riding a pump track is simple, intuitive and fun for all ages.

Various rolling sports can be carried out across generations on one course, regardless of ability and riding style. The pump track serves as a multipurpose sport facility for municipalities and is therefore the best way to promote physical activity.

The motto is:

"Turn off your phone, drop the burger and hop onto the pump track".

Pump tracks as a cure for social and health related problems in young people



Riding a pump track is a sport that encourages movement, which can be easily proven thanks to the way it is constructed. Modern counting systems show the great influence such a sport facility has on the users' sport motivation.

The combination of movement, fun, safety and the variety of user groups makes these facilities unique

From a planning point of view for municipal sport facilities, there are significant advantages regarding the pump track

Diversity of user groups:

- Mountainbiker
- Non-Mountainbiker
- Skate- & Longboard
- BMX
- Scooter
- Balance bikes
- Inline Skates
- Wheelchair

Safety:

According to the Swiss Council for Accident Prevention, pump tracks are classified as "blue" sport facilities equivalent to children's play-grounds.

Investment:

With costs starting from 125€/m², the total investment for the pump track is far below the average for classic sport facilities such as soccer fields. In addition, a pump track in its asphalted version (300€/m²) is very durable and extremely low-maintenance, resulting in almost no running maintenance costs.

Educational institutions such as kindergartens, schools and universities benefit from the pump track

• Creation of a modern and multifunctional facility.

• Movement is actively and unconventionally promoted.

• Sport activities are consciously offered and encouraged.

• Increasing the attractiveness of educational institutions.

• Possibility of combining study and recreational time.

• Place of encounter and personal fulfilment.



Bike

Target groups of pump tracks

It is not without reason that the asphalt pump track is referred to as a multifunctional sport facility. Due to the characteristics of the facility, an extremely broad target group is reached, making it the perfect prerequisite for an urban / municipal sport facility.



Mountain-bike



Skateboard



BMX



Scooter



Dirtbike



Inline Skates



Balance Bike



Wheelchair

pump track

Asphalt pump track

recommended

The use of asphalt as a track surface provides the ultimate all-purpose solution for multi-functional roller sports facilities. Particularly in urban areas, asphalt surfacing has become an integral part of modern concepts developed for sport facilities. Compared to natural and paved facilities, the higher acquisition costs (300€/m²) are put into perspective by the crucial advantages of the asphalted versions. Especially when longevity and minimal maintenance are vital criteria, asphalt is the only construction material to be considered.

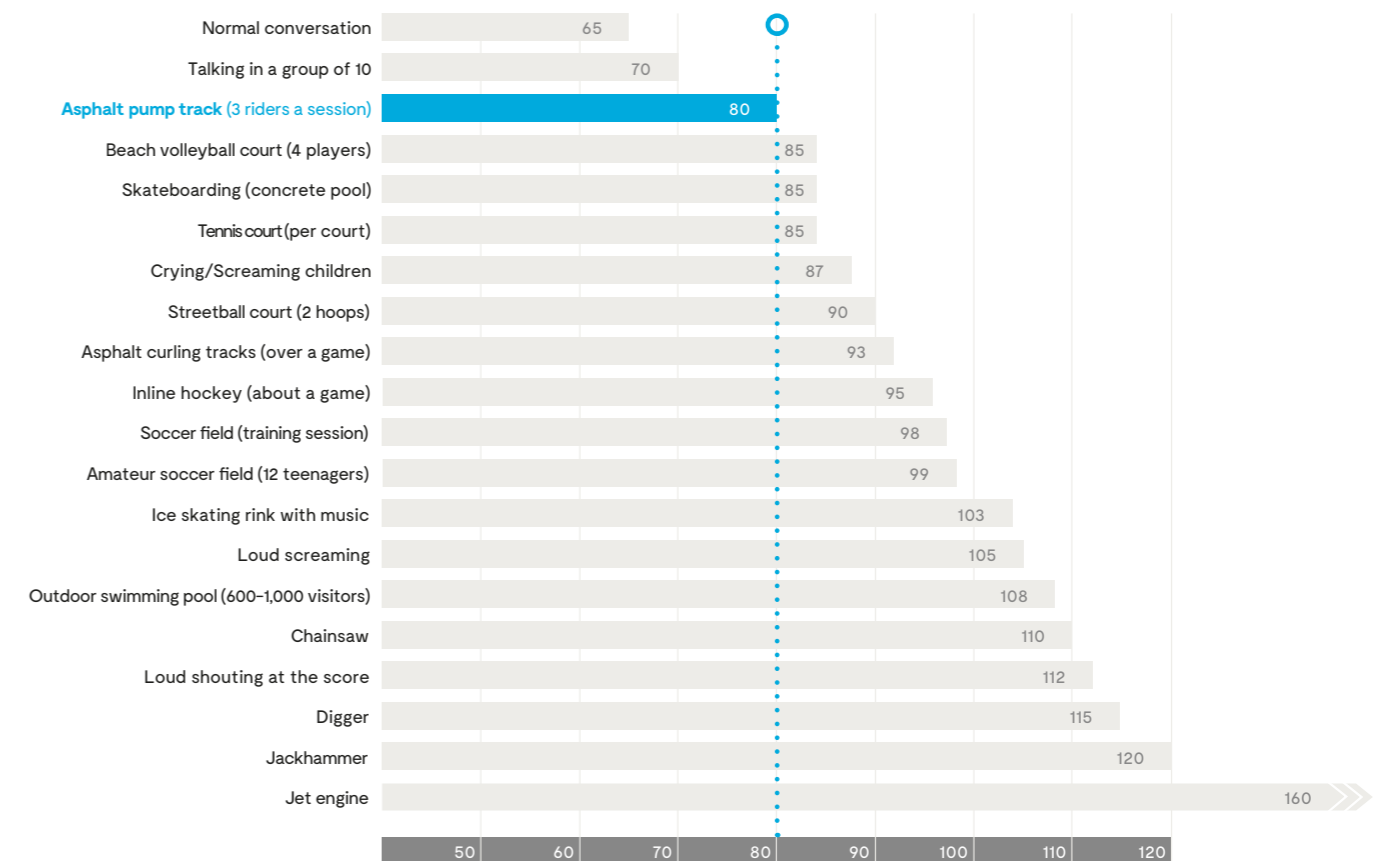
ADVANTAGES:

- Low maintenance
- Safe from vandalism and durable
- Multifunctional for many roller sports
- Clean and urban look
- Highest traction and low rolling resistance
- Rideability even in wet conditions
- Fast-drying
- Frost-resistant
- Color design possible
- Less expensive than constructions using concrete
- Design/form independent of base area
- Measurability through an integrated counting system

No noise related problems with asphalt pump tracks

Noise pollution is a major concern when it comes to sport facilities in public spaces and especially for those that are specifically designed for a young target group. In this respect, too, the asphalt pump track scores highly due to its low noise pollution.

Noise sources and their sound power (SWL)





Pump track Wals-Siezenheim

- Year of construction 2017
- Base area: 2.100 m²
- Asphalt surface 870 m²
- Asset value: approx. 260.000,-€
- Number of laps and kilometers: July 2017 - July 2019
approx. 1 Million laps and 145.000 km

Pump track

If there is a bike park literally providing endless fun, then it is the pump track. The aim is to ride the pump track with its waves, curves and jumps in an infinite loop through dynamic up and down movements – the so-called "pumping" – and to generate speed without pedaling or pushing. Once this principle is taken into account, there are no limits on how to design a park. Therefore, countless forms of pump tracks can be built. The layout can be individually tailored to the terrain and, thanks to its similarity to parks, it blends perfectly into the modern cityscape. As an urban sport facility, the pump track also impresses with its high level of safety. Since the riding ability determines the maximum speed, this type

of facility is considered very safe and has the same hazard rating as children's playgrounds. If the pump track is paved, it is not only very low maintenance and safe from vandalism, but also becomes accessible for many types of users such as skateboarders, longboarders, scooter riders, inline skaters and even people in a wheelchair. Summarizing these aspects, it becomes clear that the pump track is not solely a simple facility for bike sports, but the most versatile multi-sport system for roller sports available to date.



Features

Target groups

- Mountainbiker
- Balance Bike
- BMX/Dirtbike
- Inline Skates
- Scooter
- Skate- & Longboard

Level of Difficulty



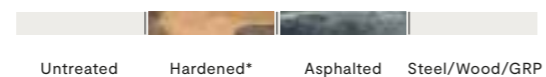
Construction measures

- Low
- Medium
- Extensive

Running costs



Track surface



Price per running meter



Balance bike track

The balance bike track is the "little brother" of the pump track being an ideal, playful introduction to cycling for children from about 2 years of age. The circuit with its low waves is the perfect and safe place for small children to train and further develop their coordination skills on balance bikes. In this context, they not only improve their body

awareness, but also develop an initial understanding of how to behave in groups. From a construction point of view, the wheel track is particularly attractive due to its relatively small size, which means that it can be integrated into practically any location.



Features

Target groups

→ Balance bike

Running costs

€ Low € Average € High

Level of Difficulty

Very easy Easy Medium Difficult

Track surface

Untreated Hardened Asphalted Steel/Wood/GPR

Construction measures

Low Medium Extensive

Price per running meter

starting from 100 €
€ 0–50 € 51–200 € 201–400



Jump track

This part of a pump track is characterized by a perfectly coordinated sequence of jumps with variable levels of difficulty. The jumps are usually built in such a way that they can be rolled over, meaning that not only advanced riders and professionals can be attracted as a target group but also beginners. For many young riders, the jump track is often one

of the highlights of pump track facilities. With its exciting jumps this media-effective instrument attracts numerous spectators and is perfectly suited for show events. Thanks to a sophisticated design of jumps, safety does not fall by the wayside.



Features

Target groups

- Mountainbiker
- BMX/Dirtbike
- Scooter

Level of Difficulty



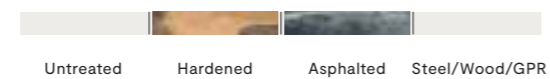
Construction measures

- Low
- Medium
- Extensive

Running costs

- € Low
- € Average
- € High

Track surface



Price per running meter





Pump track Neunkirchen

Austria



Pump track Nupaky

Czech Republic



Pump track Wals-Siezenheim

Austria



Pump track Leogang*

Austria

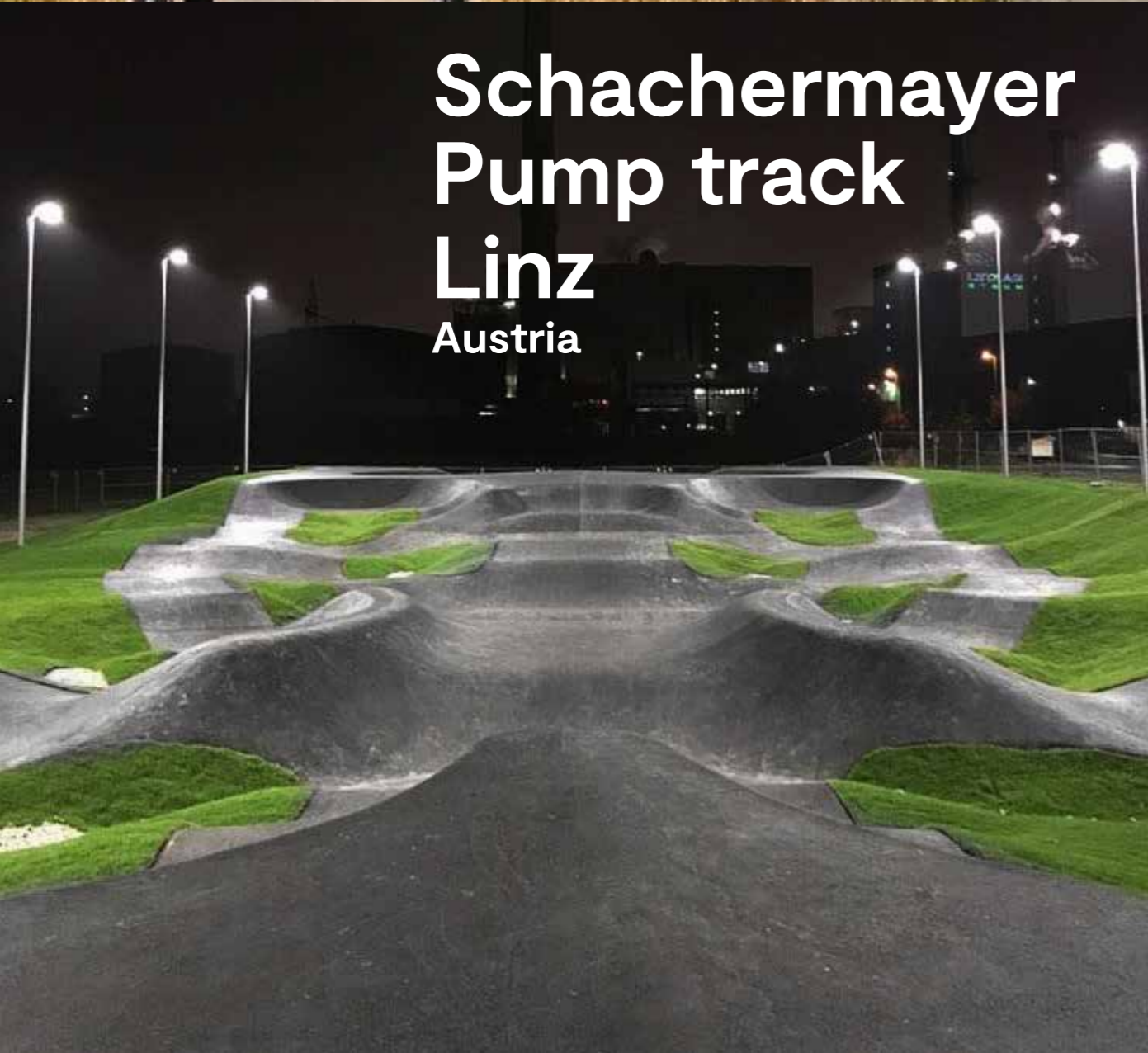
*Built as a subcontractor of the Think & Velosolutions GmbH



**Pump track
Biberach**
Germany



Pump track Ligist
Austria



**Schachermayer
Pump track
Linz**
Austria



**Pump track
Knittelfeld**
Austria



**Pump track
Lermoos**
Austria



**Pump track
Füssen**
Germany



**Pump n`Skills Area
Mittersill**
Austria



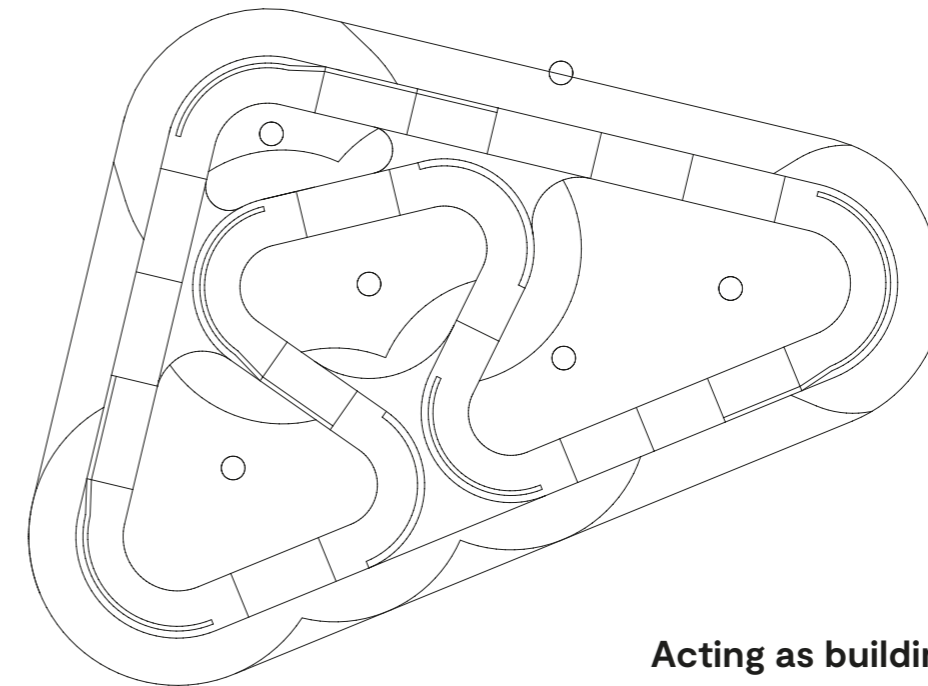
**Pump track
Groß-Umstadt**
Germany

Service Portfolio

Planning & Construction

➔ For planners

➔ For builders



Acting as a subcontractor

Acting as sole contractor (§ 7c VOB/A 2019)

Acting as building contractor (bidder)

1. Initial consultation and exchange of know-how

2. Analysis and fixation of requirements

3. Specialized contributory work as a subcontractor (LP1 – 6):

- Basic assessment
- Preliminary planning and estimation of costs
- Participation process (stakeholder process)
- Draft planning and calculation of costs
- Implementation planning
- Submission of documents
(e.g. building application)
- Approval and funding procedures
- Preparation of tender documents
- 3D visualization
- Safety and signage concept

1. Planning and construction by a single company

Advantages:

- Lower overall project costs
(planning + construction)
- Fixed-price contract guarantees cost security
in planning and construction
- Faster project implementation
- Less project complexity
(interfaces, contact persons, allocation, etc.)
- Optimal sports-functional and needs-based
implementation

2. Specialist work in the planning phase

- Preparation and coordination of the
performance program
- Preparation and coordination of
sole contractor agreement
- Basic assessment
- Preliminary planning and estimation of costs
- Information event and project presentation
- Participation process (stakeholder process)
- Draft planning and calculation of costs
- Implementation planning
- Submission documents
(e.g. building application)
- Approval and funding procedures
- Preparation of tender documents
for subcontractors
- 3D visualization
- Safety and signage concept

3. Technical work in the execution of construction work

- Constructional realization according to plan
- Project management and documentation
- Quality assurance and
construction supervision
- Subcontractor management
- Equipment supplier
- Initial safety inspection (e.g. TÜV)
- Care and maintenance work
- Staff training

4. Support and marketing

- Editorial articles in the trade press
- Photo and video production
- Opening event
- Highlight Events
- Testimonial arrangements
- Sponsorship arrangement

1. Construction

- Constructional realization according to plan
- Project management and documentation
- Quality assurance and construction
supervision
- Subcontractor management
- Equipment supplier
- Initial safety inspection (e.g. TÜV)
- Care and maintenance work
- Staff training

2. Renovation

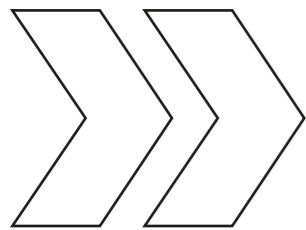
- Renovation of existing facilities

3. Support and marketing

- Editorial articles in the trade press
- Photo and video production
- Opening event
- Highlight Events
- Testimonial arrangements
- Sponsorship arrangement

Do you have any questions?

We have the answers!



Is my location suitable?

What about vandalism?

What about noise?

What running costs can I expect?

...

Your contact person

Let us take a solution-oriented approach!



I am a client advisor for BIKE & SKATE at Schneestern. With expert knowledge and the right understanding of the scene, I am ready to support you with your project!

GREGOR PODLESNY



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BIKE

References



**SINCE 2014 MORE
THAN 30 PROJECTS
AND 170 OBSTACLES
IN GERMANY
AND AUSTRIA**

GERMANY

- Biberach: Pump track
- Füssen: Pump track
- Leipzig: Pump track
- Pegnitz: Pump track
- Aachen: Pump track
- Groß-Umstadt: Balance bike track / Pump track
- Schöneck: Bike park
- Weitnau: Pump track / Jump track
- Burladingen: Flow trail
- Oberammergau: Flow trail / Jump trail
- Kusterdingen: Bosch eTrail Parcours
- Eschach: Skillcenter Allgäu
- Kempten: DAV Skills parcours / Kids slopestyle
- Herrieden: XC Bikepark
- Erfurt: Tradeshow Sport Aktiv
- München: eBike days / Bike & Style
- Germering: Pump track
- Weiterstadt: BMX Racetrack
- Datteln: Pump track
- Eberswalde: Pump track
- Pfronten: Pump track
- Gerolzhofen: Pump track / Laufradtrack
- Perl: Pump track / Laufradtrack / Skills parcours / Trail / XC Trail
- Salem: Pump track / Dirt Line
- Oberhof: Bike park / Pump track - NEW Fall 2020
- Breitenbrunn - Rabenberg: Bike playground

AUSTRIA

- Neunkirchen: Pump track
- Annaberg: Mini Bikepark / Modular pump track
- Saalbach: Skills Area Lengauer Hof
- Alpbach: Pump track
- Knittelfeld: Pump track
- Ligist: Pump track
- Leogang*: Pump track
- Lermoos: Pump track
- Wals-Siezenheim: Pump track/Jumptrack
- Mittersill: Balance bike track / Pump track / Jump track / Skillstrack
- Gunkskirchen: Pump track
- Linz: Pump track
- Pischelsdorf: Pump track - NEW Summer 2020





SNOW

BIKE

SKATE

WAKE

Schneestern? Who we are and what we can do!

Action sports is our DNA. But what does this mean, what are action sports? For us it's the kind of sport that makes your pulse beat faster and always provides a little thrill. Action sports are unique, and this means that everyone can experience them in their own way. That's why the first ride through the snowpark can be just as action-packed as the 100th jump at the X-Games.

Opposites that are not really opposites and yet determine our daily work. We have made it our task to make action sports a real experience for everyone, bringing from the professionals to the broad masses. We plan, design – and discard again, if something does not entirely meet our expectations. And we do so until everything is perfect. We have been using our know-how since 1999, we go to the office, to the workshop, up the mountain or to the construction site every day, to make action sports safe and to further establish what we love sustainably, locally as well as globally.

How do we do that? By transferring knowledge from conventional engineering disciplines into an unusual environment. By not allowing ourselves any mistakes in a world full of freestyle and by putting quality and safety first. Action sport is both a trendsetter and a constant. What used to be a laughed at niche sport is now an official Olympic discipline. Action sports are more than just a trick. It is the physical and mental orientation towards a sport experience.

We recognized this development a long time ago and see it as the answer to the needs of our customers. We are aware of the positive effects of the sport itself, simply because we recognize ourselves in the joy of the first trick on a skateboard, bike, snowboard or freeski. Moments of detail that once again sharpen our view of the big picture: To further anchor SNOW, BIKE, SKATE and WAKE in society. Because we believe in it and because we can do it:

action sports engineered!



SNOW

The roots of Schneestern (in English "Snowstar") lie, as the name suggests, in the snow. To this day we have remained loyal to this division and build snow parks, events and the therefore suitable equipment worldwide. We are pioneers and market leaders in these areas and want to continue to support children, beginners and professionals alike when it comes to action sports during winter. From simple slopestyle for children to top events such as the X-Games Oslo, Air + Style, Audi Nines or the Olympic Games, we stand for winter action sports.



BIKE

Since 2014, we have been planning and implementing well thought-out and sustainable bike trails and facilities. This division surrounding pump tracks, single trails and co. has meanwhile become an important pillar of Schneestern. A product range that primarily aims to generate added value and benefits for our customers while helping them master their challenges with suitable solutions. We want to help cities, communities, planners, mountain cableways, tourist destinations and sports clubs to fully utilize the potential of bike trails and facilities for their own purposes and thereby generate a positive impact for society today and in the future.



SKATE

Skateboarding, the mother of action sports. It goes without saying that in a company where everything revolves around action sports, this division should not be missing. We have been realizing skate parks for public spaces since 2012 and therefore want to promote action sports as well as individual sports for as broad a target group as possible. When it comes to skate parks, we serve the entire range of this sport using asphalt and in-situ concrete parks as well as ramps.

WAKE

In the 20 years of our company's history, we have worked hard to acquire the know-how and the quality regarding our snowpark equipment. We have also transferred this gathered knowledge to our WAKE division and have been successfully producing professional wakeboard obstacles since 2013. This is a business area which we will continue to expand in the future.



Network of partners

We rely on a strong network to utilize synergies and to collectively push the bike sport forward. Therefore, we are proud members and networkers of the following partners.

MEMBERS OF:

IAKS: Internationale
Vereinigung Sport- und Frei-
zeiteinrichtungen



DIMB: Deutsche
Initiative Mountainbike



FLL: Forschungsgesellschaft
Landschaftsentwicklung
Landschaftsbau e. V.



VDS: Verein Deutscher
Seilbahnen



HWK: Handwerkskammer für
Schwaben



IHK: Industrie- und
Handwerkskammer



NETWORKERS AT:

MTB Tourismusforum
Deutschland



MTB Kongress
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- D. Malacrida
- Daniel Deak Bardos



You can find the entire bike
portfolio in our Schneestern bike
catalogue.

We will be happy to send you a copy by post.

action sports engineered