



**PENTASI**

CABLE WAKE CO.

SINCE 1993

*Cable Wake  
Co.*



# *Introduction*

Pentasi has been producing wakeboard cableways since 1993. More than **two decades of experience** in both the production and operation of cableways has helped us to perfect our systems to be fully reliable, while continuously adapting to the ever-rising technical demands of the riders and the owners at the same time. In 2012 Pentasi joined WakeStation in the common goal of providing quality products with state of the art features for an affordable price. We, together with WakeStation, can **fully equip a wake park** with full-size cableways, two tower cable systems and the highest quality durable obstacles, providing everything that is needed for wakeboarding from A to Z.



Malmö Wake Park, Sweden

# Full-size Cableway

Full-size cableway (FSC) represents the heart of a wake park where beginner, advanced and pro riders gather together to have fun, learn new moves or amaze the spectators with sky-high air tricks or spectacular slides on one of the numerous obstacles placed around the course. Full-size cableways are ideal places to hang with friends, relax with family or to organize team-building events.

Pentasi FSCs are made of **first class materials** and encompass the latest technical features to make wakeboarding fun and safe at the same time. Our cableways are made in various sizes and shapes composed of 4-6 columns depending on the usable water surface and the preferences of the customer. Also, we produce both counterclockwise and clockwise turn directional systems, favoring goofy and regular riders as well. Pentasi FSCs are **easy and safe to operate**. The cableways can be comfortably controlled from the **water resistant touch screen** by choosing from the pre-programmed speeds or adjust-

ing that manually between 0 and 60 km/h. Sophisticated frequency converter ensures to keep the cable running smoothly despite the continuous changes in load. Times when we used to blame the careless operator guy for the long queues before the start are over; sensors guarantee that empty pulling ropes return quickly back to the magazine by pulling back the catching fork and starting the elevator automatically once the pulling rope goes through the fork. The extra controller on the top of the column makes routine maintenance easier and quicker than ever, which saves time and ultimately money.



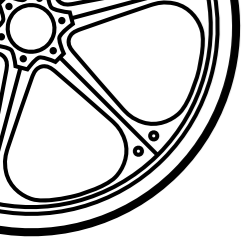
Central Wakepark, Hungary



Touch screen controller

We use 30kW powerful and quiet electric motor, which has the power to pull out all the riders from the water when restarting after an unexpected stop. No man left behind!

Our FSCs are equipped with powerful pneumatic negative brake to stop the cable immediately if it is necessary. Safety first!



# Piers

If a full-size cableway is the heart of a wake park, the pier is the belly where delicious snacks, ice cold juices and cocktails are served after a flawless trick or an epic fall. Pentasi FSCs come with **spacious** 100 m2 piers that can comfortably host the riders, but – as with most things – the big-

ger the better. Therefore, we recommend our clients to think big. Wakeboarding is spectacular, meaning it attracts not only those who want to try it, but everyone who would enjoy spending a summertime afternoon lying on a sunbed and sipping Mojitos in a comfortable environment. Pentasi offers **wide variety of piers** from traditional wood pile and modern metal frame piers to **floating islands and pathways**. Floating pathways are ideal for bigger lakes where the shore is situated far from one or more sides of the cableway.

For deep water → we produce floating piers and pathways as well. Buoyancy is ensured by styro-foam placed inside the metal framework.



Hot-dip galvanized metal structure ensures that our piers are not just rock solid but they look good too.

# WAKE STATION

## Two-tower System

The key of the huge success of two-tower systems is that it makes **wakeboarding possible on smaller water surfaces** to which a full-size cableway would not fit. However, two-tower systems can also play a supplementary role besides full-size cableways. Two-tower systems are favored by both the beginners who wish to **learn the basics quicker** and more efficiently and the pros who want to **train a particular trick more focused**. Wake-



Night-time wakeboarding at WakeStation

Männiku wake park, Estonia

photo: Oskar Shanin

Station systems are simply the best available on the market, having a robust but lightweight design with high mobility. Portability and short installation time makes them ideal for festivals and other events. WakeStation is easy to operate. Every system comes with user-friendly software for changing parameters (such as distances, turning points and speeds) and performing maintenance checks. The new software and Wi-Fi remote upgrade makes it possible for one person to operate several systems at the same time. Riders can also control the system themselves (without an operator) while on the water thanks to the Self-Service function. 70 WakeStation systems sold in 16 countries speaks for itself.

# WAKE STATION Obstacles

Once, at the dawn of wakeboarding obstacles used to be home-made sliders built of wood and PVC pipes. Now, WakeStation took the mean-

ing of obstacles to the next level. Their obstacles are made of **UV-proof HDPE** (high density polyethylene) cut by CNC routers and welded together with UV-proof welding rods. There are **no sharp edges** thanks to the unique hot bending technology that the guys use. The WakeStation obstacles are massive, durable and safe for the riders and their equipments.

Central Wakepark, Hungary



Wake the Stadium event, Finland

photo: Timo Tähti

# How to Start?

Are you dreaming of having your own park but you just don't know how to start? We'll give you some tips!

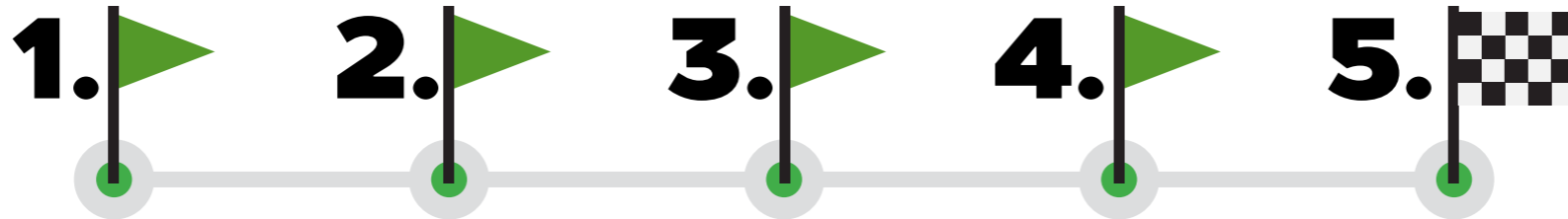
**TIP:** Investing into a well equipped, complex wake park with a restaurant, shop and other service facilities can be costly. Inquire about local governmental or EU tenders in your area!

1. Choose a nice lake/river backwater/protected sea bay, preferably in the close proximity of a bigger town.

2. Make sure the necessary infrastructure is provided to the scene (electricity: 400 V 3x80A).

4. Acquire the necessary permits (typically you will have to get permits from the following authorities: local municipality, transportation authority, water authority, environmental authority)

**TIP:** Acquiring the necessary permits can take months. Think ahead and start the process on time!



3. If the area seems suitable, send a Google Earth link to us with your ideas, comments, wishes and some basic data of the scene (average water depth, soil conditions) and we will send you a sketch of an optimal FSC/two-tower system layout and a detailed quotation)

**5. If everything is settled and agreed it's time to sign the contract and trust us with all the rest.**

## Your task:

- ✓ provide necessary infrastructure
- ✓ get the permits
- ✓ geodetic field survey and level data
- ✓ provide boat and occasionally (up to 12 hours) grabber
- ✓ shipping of the equipment

## Our task:

- ✓ production
- ✓ plan documentation
- ✓ concreting of the anchoring logs (can be undertaken by the client as well)
- ✓ installation
- ✓ training to use and maintenance

*Worldwide*



**Pentasi Ltd.**  
22 Arpad str.  
6120 Kiskunmajsa, Hungary  
**+36 30 552 8657**  
[info@pentasi.eu](mailto:info@pentasi.eu)  
[www.pentasi.eu](http://www.pentasi.eu)

*Baltic states, Asia,  
Russia, Scandinavia*



**Snow & Wakeboard  
Solutions LLC**  
Pikk 94-33  
50606 Tartu, Estonia  
**+372 51 65 819**  
[info@thewakestation.eu](mailto:info@thewakestation.eu)  
[www.thewakestation.eu](http://www.thewakestation.eu)

