

The World of Watermaster

NEWSLETTER • 2024

smart solution for hard work

Shallow Water Works Are important

Use a Watermaster

Lake Neusiedl Maintained Innovatively



The 400th Watermaster was delivered to Croatia. On the left Mr. Igor Biglbauer from Odvodnja d.d, Darda and on the right Watermaster trainer Mr. Pekka Suokuisma



Celebrating Our 400th Watermaster

Shallow Water Works Are Important

Last year was a big milestone for us — we delivered our 400th Watermaster! Now, Watermasters are making a difference in over 80 countries across 6 continents. They help to better maintain waterways, clean lakes, restore rivers and wetlands, protect coastlines and ensure that industrial waters are safely managed. These works benefit both people and the environment. This shows that shallow water works are important and that good things happen when you have the right tools and attitude.

Nearly 40 years ago, we noticed that there were no machines specifically made for shallow water maintenance. Most equipment was designed for deeper waters or only worked from the shore or a barge. **Shallow waters are vital and need proper caring.**

In 1986, we decided to fill the gap by inventing a new machine — the Amphibious Multipurpose **Watermaster** Dredger. It is specially designed for shallow waters and performs the work of multiple machines. This makes water management **safer, more efficient, and more eco-friendly.**

Shallow waters are everywhere around us, and Watermaster excels in these challenging environments. From busy urban canals and marinas to remote

ivers, lakes, and coasts. From mines, factories and dams, to protected **UNESCO World Heritage sites** (see pages 6-7). Watermasters handle extreme conditions, from tropical heat to arctic cold. They always work with precision and care.

From our first Watermaster Classic I model to the latest **fifth-generation Classic V**, our machines have improved tremendously. They now have **three times the capacity** and offer new attachments and features. They are safer, more environmentally friendly, and easier to use and maintain.

Amphibious multipurpose technology unites people who believe that shallow water works are important. It brings together people who understand that **it is smart to do more with less.** More water

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bodies have been restored and maintained with fewer machines, lower costs, less time, and reduced CO2 emissions. This is because you chose Watermaster.

We thank our clients and partners. Together, we are setting new, better standards in water management. We hope and trust that **your achievements with our technology** will inspire more action to restore and better maintain our vital shallow waters around the world. Let's leave our waters in better condition than we found them.

Respectfully Yours,
Watermaster Finland

Watermaster is the smart choice for all professional organizations serious about efficiently managing their shallow water works.



Do you have shallow water works? Use a Watermaster

Cities, municipalities, and organizations – are you struggling with silted waterways and invasive vegetation in your local waters? Dredging and water construction companies – do you need an efficient solution for challenging shallow water projects? The smart choice is Watermaster! Whether you buy it or hire a Watermaster contractor, our technology makes shallow water projects easier, more cost-effective and environmentally friendly, since one machine does the work of many.

Using conventional machinery for shallow water works is like using a hammer to put a screw into a wall – maybe you'll manage, but it's smarter, safer, and more efficient to use a screwdriver. Watermaster is THE machine for shallow water works. It anchors steadily, operates precisely, and has the correct attachment for all the different applications. Watermaster empowers you to act fast and solve any shallow water task in **0 - 6 meters depth range** effectively and efficiently.

ALL-IN-ONE

With a Watermaster in your arsenal, you are always ready for dredging, excavating, raking, and pile driving. Watermaster can suction dredge up to **900 m³/h** and the maximum pumping distance is 1.5 km, making it ideal for restoring and maintain-

ing waterways. Further distances are possible with a booster station. For hard soil and large objects, Watermaster's **backhoe dredging capacity is 40-60 m³/h**. The 2.75m-wide rake attachment efficiently removes both rooted and floating vegetation.

GO ANYWHERE MOBILITY

The compact Watermaster is easily transported, unloading itself from the trailer and traveling up to 4 knots in water. It can walk in and out of water and **operate in challenging shallow water worksites where others can't**.

SELF-PROPELLED AND SELF-ANCHORING

The self-propelled Watermaster moves and operates independently. It has a smart an-



Canal maintenance work in the Ivory Coast

choring system for stability and quick repositioning, ensuring complete independence without the need for extra equipment.

ECONOMICAL AND ECO-FRIENDLY

Watermaster cuts your costs from the start and keeps them low. It replaces several machines at once, reducing investment, operation, and maintenance costs. It's also **cheaper per cubic meter dredged** compared to traditional machines.

Choose the Original Watermaster for faster, safer, more economical and environmentally friendly projects. It's the solution for managing your shallow water works better.

ALL YOUR SHALLOW WATER WORKS



PREVENT FLOODS & CLEAN THE ENVIRONMENT



MAINTAIN MARINAS & WATERWAYS



CLEAR EXCESSIVE AQUATIC VEGETATION



DEVELOP & MAINTAIN WATER INFRASTRUCTURE



SECURE & BOOST INDUSTRIAL OPERATIONS

CLEANER, SAFER AND BETTER FUNCTIONING WATERS

ONE SMART SOLUTION

Watermaster

THE AMPHIBIOUS MULTIPURPOSE DREDGER

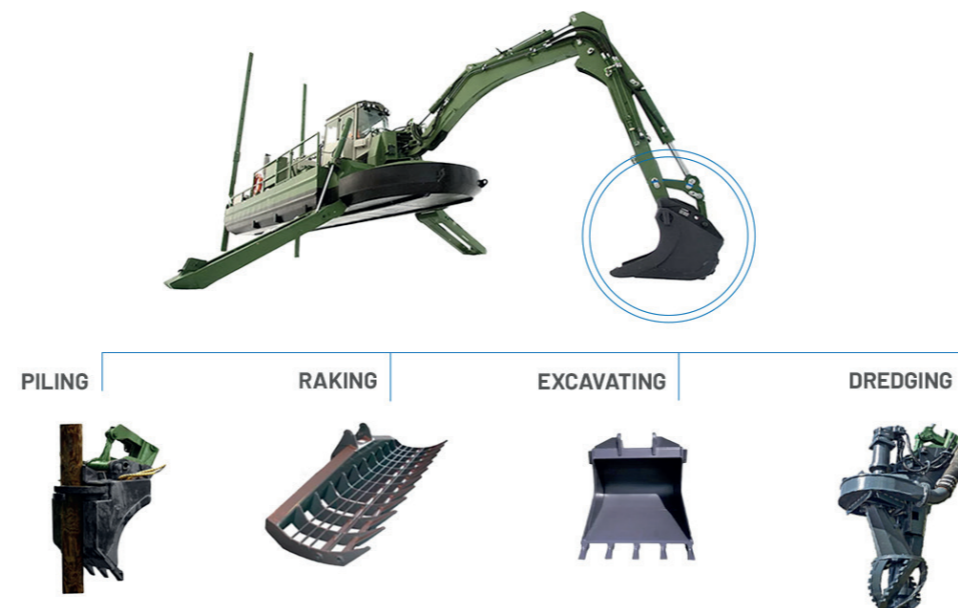
USE FEWER MACHINES AND MINIMIZE YOUR COSTS AND FOOTPRINT

GO ANYWHERE



Easily access and operate in challenging shallow water sites where others can't.

DO EVERYTHING



Handle all works in 0 to 6 meters depth range eco-efficiently with just one machine.

WORK WITH CONFIDENCE



Enjoy the continuous high performance and strong after sales support of the ORIGINAL Watermaster – Made in Finland.

Lake Neusiedl supports a rich variety of flora and fauna and is a hub for recreational activities like sailing, fishing, and bird watching.



Seemanagement Burgenland GmbH | Austria:

Lake Neusiedl Maintained Innovatively

Located on the border between Austria and Hungary, Lake Neusiedl is a UNESCO World Heritage site rich in history and biodiversity. Spanning 315 km² with an average depth of one meter, it supports local communities as both an ecological and recreational hub. Yet sediment build-up and excess eutrophication due to nutrient overload threaten its delicate ecosystems and recreational use. The local municipal government came up with an innovative solution. They established Seemanagement Burgenland GmbH, a dedicated organization committed solely to preserving Lake Neusiedl's health and vitality through systematic care and maintenance.



Lake Neusiedl is situated on the border between Austria and Hungary

HISTORY, ECOLOGY, AND RECREATION

Lake Neusiedl, located in **Burgenland** — a federal state of Austria — has been a meeting place for different cultures for thousands of years. Today, it serves as a vital habitat for diverse wildlife, supported by its extensive reed beds that provide shelter to numerous species. The lake is also a popular destination for outdoor activities such as sailing, fishing, and bird watching.

Sustaining this natural treasure needs more than admiration, however. Effectively managing sediment build-up and eutrophication at the lake requires ongoing and proactive maintenance.

SEEMANAGEMENT BURGENLAND GMBH

In 2022, the Burgenland government established Seemanagement Burgenland GmbH to **shift from occasional restoration action to a systematic management with a dedicated organization**. The lake's unique geography and protected status required Seemanagement to find smart water restoration and maintenance equipment, that is both effective and environmentally sensitive.

WATERMASTER A PERFECT FIT

Knowing the Watermaster amphibious eco-dredger was ideal for shallow waters, the Seemanagement team acquired two units of the most powerful **Classic V**

model and a Watermaster booster pump from **Wellink GmbH**, the local reseller.

Multipurpose Watermaster's heavy-duty work attachments enable Seemanagement to do various tasks such as **suction dredging, excavating, clearing vegetation by raking, and pile driving with a single machine**. This versatility reduces the need for several single-purpose machines and assisting equipment, lowering operational costs, increasing efficiency, and minimizing the overall operational footprint.

Watermaster's **amphibious mobility** allows Seemanagement to work in very shallow waters, essential for a lake



Seemanagement Burgenland leads innovative lake management efforts

Heinrich Dörner, Thomas Schmid, and Erich Gebhardt by a Watermaster dredger at Lake Neusiedl. Their efforts at Seemanagement Burgenland GmbH set an example for sustainable management of public water bodies worldwide

with an average depth of only 1 meter. Additionally, Watermaster operates independently and very precisely, ensuring minimal disruption to the lake's ecosystems and aquatic life.

FIRST SEASON OF MAINTENANCE

From October 2023 to mid-April 2024, Seemanagement completed their first maintenance season:

- They successfully **dredged 60,000 m³ of soft sediment from boat paths and marinas**, enhancing navigability, and supporting recreational activities.
- They also **reinforced reed channels and created firebreaks** in coordination with the local fire department.

This was crucial for protecting wildlife and surrounding areas from potential fire hazards that can spread quickly in the dry reed beds during the summer time.

WATERMASTER BRINGS ADVANTAGES FOR:

- Enhancing Navigation and Recreation

Watermaster is effective in deepening and maintaining boat paths and marinas. Watermaster's operation without wire cables or extra anchors prevents obstruction of boat traffic, allowing Seemanagement to work efficiently in confined spaces while **minimizing disruption to recreational activities**.

- Improving Aquatic Habitats

Seemanagement used their Watermasters to carefully remove both nutrient-rich sediment by dredging and excess vegetation by raking, which helps prevent eutrophication. Additionally, they used Watermasters' excavating capability to stabilize shorelines and enhance habitats for wildlife.

With one Watermaster they can take care of all of the above and many other maintenance tasks that can come up later on.

FUTURE PLANS

Seemanagement Burgenland GmbH is preparing for the 2024/25 maintenance season, coordinating with local communities and stakeholders. During the summer, **the dredged nutrient-rich sediment will be beneficially reused to enhance the agricultural land around the lake**.

CONCLUSION

Seemanagement has improved maintenance at Lake Neusiedl by shifting from occasional efforts to a consistent, organized approach. It uses state-of-the-art Watermaster eco-dredgers and other equipment to preserve the lake's environment in an efficient and environmentally friendly way.

Seemanagement's example shows how a systematic approach, implemented by a dedicated organization using efficient technology and sustainable methods, can enhance the care of water bodies both in Austria and globally.



Lake Neusiedl is only 1 meter deep on average, so Watermaster's amphibious mobility is essential



During the first season of maintenance over 60,000 m³ of soft sediment was dredged out



Watermasters also reinforced reed channels to help stabilize shorelines and enhance wildlife habitats

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