

VARIO POOL

THE REAL DEPTH INVESTMENT



OVER 50 YEARS

Knowledge and experience about swimming pools

BULKHEADS AND HINGED WALLS

Horizontal and vertical solutions

MOVABLE FLOORS

Get the maximum return from your pool

www.variopool.co.uk

CONTENTS

- 4. Target audiences: get the most out of your pool
- 7. Various applications
- 8. Movable pool floors: see the possibilities
- 11. Bulkheads for optimal use of the pool
- 12. The technology behind our movable floors
- 15. In close-up: many options through unique configurations
- 16. Reliable partner: service & maintenance
- 19. Options that exceed expectations
- 20. Centre of expertise: Varioplay and Holland Aqua Sight
- 23. Variodeck, covering your energy
- 24. AreaH2O, the next level in water entertainment
- 26. Two temperatures in the same swimming pool
- 28. Unique water inlet system
- 30. Projects, now and in the future





WELCOME TO VARIOPOOL

Welcome to Variopool! We are market leaders in movable swimming pool floors and bulkheads. For almost half a century now, quality, safety and sustainability have taken centre stage in all of our activities. We owe our dynamic growth to a continuous focus on innovation and high product standards, which set us apart from our competitors and allow us to provide you with custom solutions that suit your needs.

The Variopool movable floors and bulkheads help you get the most out of your pool by configuring it for various target groups. A movable floor allows you to adjust the depth of your pool, so that in one single day, it can be used by different user groups. The system is simple and user-friendly. Adjusting the pool depth to your needs takes only a few minutes. But there's more! You can even change the water surface into a multifunctional floor, allowing it to be used for several purposes at the same time.

NATIONAL AND INTERNATIONAL

The Variopool movable floors and bulkheads have been installed at several national and international swimming pool complexes. Our projects range from leisure pools to professional Olympic sports facilities. Moreover, we specialise in hydrotherapy pools and we supply lifts for people with disabilities. Tell us what you're looking for and we will help you find the best solution for you and your target groups. We will then design a pool to your specifications, deliver, install and maintain it. We even have an in-house servicing and breakdown service that is always available and ready to help.

At Variopool we want to go the extra mile and keep moving forward with our clients. Just like professional athletes, we set the bar higher time and time again. Because after all, a satisfied client is a like a gold medal!

TARGET AUDIENCES

The Variopool movable floors and bulkheads allow you to offer several activities in one and the same pool, attracting a wide variety of target audiences. An example? In the morning you can set the pool depth at 2 metres for lap swimming and in the afternoon you can set it at 1.40 metres for aqua zumba lessons. The result? More visitors, a higher level of customer satisfaction and better operating results.

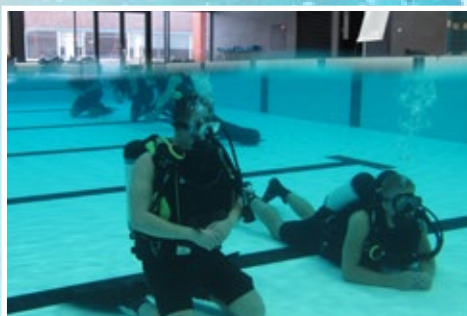
A Variopool system allows you to increase or decrease the pool depth and/or size as you please, at any time of day. The system is fully automatic and user friendly. A few minutes and you're ready to go!

This system does not require any physical effort, it is user-friendly and allows you to adjust the pool depth in just a few minutes.

A VARIOPOOL SYSTEM OFFERS SEVERAL ADVANTAGES:

- Various target groups can use the pool simultaneously.
- A quick response to new trends.
- A smaller water surface is required.
- The pool enjoys a longer lifecycle.
- Lower energy bills.
- The pool floor can be programmed flexibly.

Variopool was the very first company to launch movable pool floors and bulkheads, which allows us to offer practical and cost-effective solutions. We help our clients move forward and find the best solutions to get the most out of their pools.



GET THE MOST OUT OF YOUR POOL



FOR ANY POOL



VARIOUS APPLICATIONS

PUBLIC POOLS

Swimming is so much more than just taking laps. Water lovers of all ages head to the pool looking to practice their favourite activities, which require different pool depths.

Movable floors offer pool operators plenty of opportunities, particularly given the governments' cost-cutting measures. Needless to say, the Variopool movable floors and bulkheads are a financially attractive option. Variopool offers custom solutions that meet the needs of all current and/or future target groups. This customisation increases the number of satisfied clients and boosts the pool's market position.

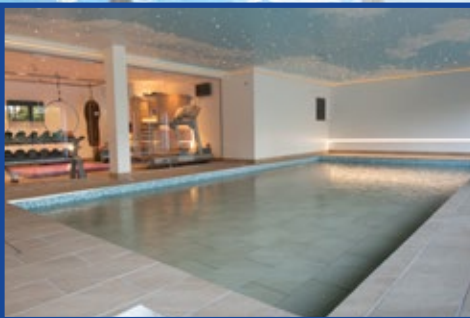
THERAPY POOLS

The efficiency of hydrotherapy is widely recognised by medical professionals, and at Variopool too, we are familiar with this popular form of aqua therapy. The use of movable pool floors and bulkheads is a must to guarantee the best results, as they allow the various target groups to make optimal use of the therapy pool facilities, and they ensure the water temperature can be efficiently regulated. A few examples of target groups? Soldiers, injured athletes and rheumatism patients.

Variopool offers you a total package, from A to Z. The movable floor can be equipped with movable stairs, a lift for people with disabilities or a ramp to allow rehabilitation patients to access the pool unaided. Walkways and underwater treadmills can also be installed to speed up the rehabilitation process.

PRIVATE POOLS

We use the knowledge and experience we have gathered in the past half a century to build and/or equip private pools. Thanks to our movable pool floors, private pools can be used for a wide range of activities. The pool floor can even be raised to ground level so that you can make space for an outdoor party. Once all the guests have left, you can simply lower the floor to a safe depth to allow your children play in the pool, or you can lower it all the way and take a few laps yourself.



MOVABLE POOL FLOORS

We can create movable floors in virtually any size, making them suitable for a wide range of applications. Even if your pool design does not include a bulkhead, we can come up with a suitable solution. Our hinged bulkheads can also be used to create separate areas with differing water depths.

The Variopool movable pool floors are designed based on a floating concept. The system consists of stainless steel and/or plastic parts and can be configured at the required depth using cables, which are fully equipped to withstand long-term submersion in pool water and can handle a heavy load. Our installers work exclusively with high-quality materials so as to ensure that the system has a lifecycle of over 20 years.

HIGHEST QUALITY STANDARD

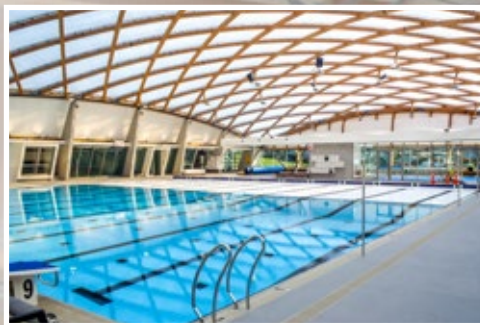
The Variopool movable pool floors meet the highest quality standards, also in terms of hygiene. Grids on the pool floor surface guarantee continuous water circulation. The motor of the system is located outside the pool, making it impossible for hydraulic oil to pollute the water. Moreover, the pool floor is equipped with hatches that provide access to divers and cleaning robots for maintenance and cleaning.

The Variopool systems, down to the smallest details, meet the WHVBZ (the Dutch Pool And Swimming Facilities Hygiene And Safety Act) standards and the European EN 13451-11 standard. Moreover, our products have been successfully tested by Lloyd's, a world-leading testing company.

MULTIPLE VERSIONS

Our movable pool floors are available in three versions:

- Stainless steel base frame covered with polypropylene panels
- Stainless steel base frame covered with polyester panels
- Fully self-supporting polyester construction with interconnected polyester panels.





OPTIMAL USE OF THE POOL



BULKHEADS

Bulkheads allow you to make the best possible use of your pool, because it can host several activities at the same time. What's more, bulkheads can have various functions in the pool – holding anything from starter blocks and railings to timing equipment and handgrips. We offer three types of bulkheads, each with their own features and advantages:

VERTICAL BULKHEADS

A vertical bulkhead allows you to divide the pool in half from one fixed location. The touch screen makes it easy for the operator to use the system. The entire bulkhead can be submerged into a sunken recess in the pool floor, making it invisible. Our vertical bulkheads are available in two- and three-piece versions, increasing the number of possible configurations. The bulkheads are powered by a hydraulic system comparable to the ones we use for movable pool floors.

HORIZONTAL OR TRAVERSABLE BULKHEADS

Horizontal or traversable bulkheads can divide a pool in virtually any position. The bulkhead can easily be moved manually by two persons pushing it through the water or automatically using a set of Boom Mover Buggies.

HINGED BULKHEADS

Hinged bulkheads are installed in one fixed location on the pool floor. When not in use, they can simply rest on the pool bottom horizontally. If the pool is still under construction, the bulkheads can be integrated into a custom cavity. A hinged bulkhead can also be used as a walkway for pool attendants using a removable walking deck and railings.



A FULLY-FLEDGED SERVICE

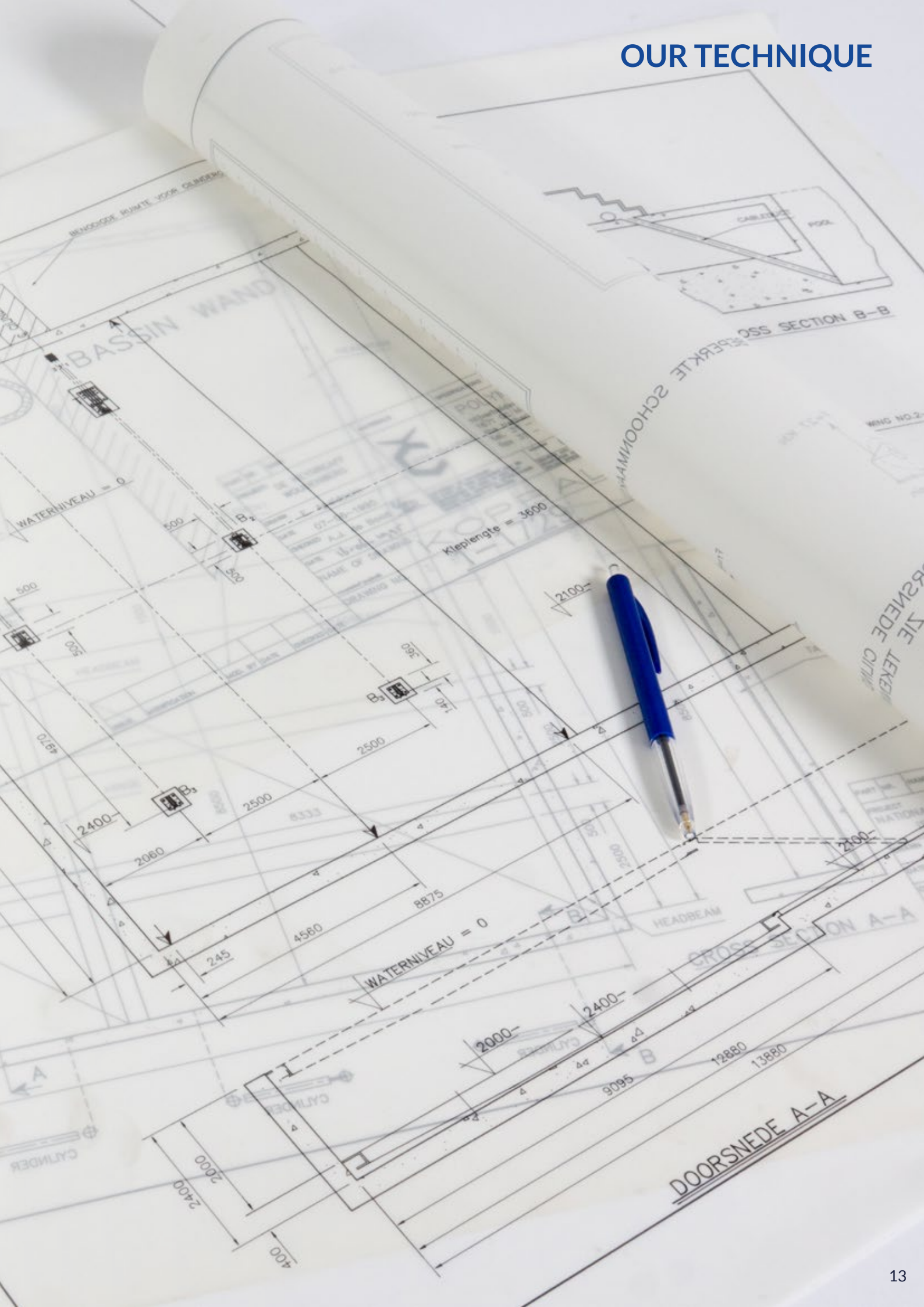
At Variopool, we take charge of the entire process, from A to Z. First of all, if you would like to find out more about a Variopool product, our Product Management team will guide you through our extensive product offer. Keeping in mind the wishes of different target groups, we get to work to meet all parties' demands.

Once we have found the product that best suits your needs and you have decided which options to have installed, we create custom blueprints which include all elements. We then check whether the design matches the construction site specifications and if not, we sit around the table with you to discuss solutions or alternative options.

Variopool also assists you in the construction and installation of its products. One of our Project Managers periodically visits the construction site and carefully coordinates the entire project. Should you have any queries or issues during the construction phase or once the project has been finalised, the Project Manager is your go-to contact.

Once the project has been completed, you can continue to count on Variopool for pool maintenance. We can periodically come and check whether all products are still working properly and whether there are any issues. Should we notice that the quality of certain parts is no longer up to par, we will immediately replace them.





PROJECT IN THE SPOTLIGHTS



MULTIFUNCTIONAL SURFACE

THE LEADING POOL IN LITHUANIA

The pool located in Lithuania is set to become the leading pool in the region for hosting big swimming competitions in the future. Slangen and Koenis designed the pool, and it was constructed with great attention to detail, utilizing the height differences of its location against the hill. The competition pool boasts 50 x 25 meters with a depth of 3 meters. Furthermore, it has a diving pit that is 20 x 25 meters, with a depth of 5 meters, equipped with diving towers and springboards of up to 10 meters.

POOL CONFIGURATION

The pool comes equipped with a unique configuration designed by Variopool. It features a 2-part vertical retaining wall of 25 meters and 2 meters wide, a folding wall of 23 meters, and a movable bottom of 23 x 10 meters. This arrangement allows for confining the bottom of the pool on all sides by the pool wall or one of the retaining walls, making it suitable for establishing two different temperatures.

THE FOLLOWING CONFIGURATIONS OF THE POOL ARE POSSIBLE:

- 10 lanes with 50 meters each in competition mode
- 6 lanes with 50 meters, 4 lanes with 25 meters, and a movable floor of 10 x 23 meters in depth adjustable from 0 - 3 meters
- 10 lanes with 25 meters and another 10 lanes with 23 meters in competition mode

THE 2-TEMPERATURE SOLUTION

The pool now has access to a unique feature called the insulation reversing wall. This innovative solution allows raising the water temperature in one part of the pool to about 32 degrees, instead of the habitually maintained 27-28 degrees.

This generally cool pool temperature provides a comfortable environment for elders and young children. This two-temperature solution offers greater flexibility and comfort to the visitors.

For more details about this excellent feature, please refer to the brochure.



RELIABLE PARTNER

The Variopool movable pool floors and bulkheads have a proven lifecycle of over twenty years, not only thanks to their quality but also thanks to the excellent service and maintenance we offer upon completion of the project. In order to guarantee the safety and reliability of our products, we periodically check all parts of the system thoroughly. If necessary, we immediately replace the worn parts during our maintenance rounds. A regular maintenance service takes about half a day per floor. Once we are done, the pool complex can simply open its doors again.

Should any problems or disruptions occur between two maintenance appointments – which, needless to say, we try to prevent as much as possible – you can always contact our Service and Maintenance department. Our qualified staff is available 24/7 and will gladly answer all your questions. Moreover, we offer remote monitoring services from our head office, which allow us to pinpoint where the problems lie in the system. After each inspection or service, Variopool also issues a clear and transparent report giving you an insight, showing you where you stand and what you can expect.

Choose Variopool for your service and maintenance to enjoy countless advantages. There is no need to empty the pool for periodic inspections, maintenance or repairs. We work with certified divers who can reach the hatches under the movable floor, allowing you to re-open the pool to visitors immediately after our service round. In a nutshell, no additional costs for emptying, refilling and reheating the pool!



IGH

↑
SERVICE
LEVEL

INNOVATIVE ACCESSOIRES



EXCEED EXPECTATIONS

Our Research & Development department is continuously developing new applications and improving our existing product range. User-friendliness and optimal use of the water surface take centre stage.

MOVABLE DISABLED ACCESS PLATFORM

A movable access platform is a comfortable tool that allows people with disabilities to enter the pool unassisted. It is height-adjustable and easy to operate, and it can be supplied with removable handrails and polycarbonate safety plates.

POOL STAIRS

For many target groups, stairs are an important way to access the pool. Our hinged RVS pool stairs can easily be combined with a movable pool floor. However, we can also provide integrated pool stairs.

POOL RAMP

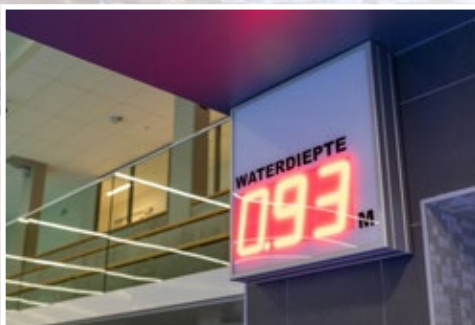
The pool ramp allows rehabilitation patients, injured athletes, or anyone who would like to use the pool to easily enter it. People in wheelchairs can independently ride into the water.

TOUCH SCREEN + PLC TECHNOLOGY

A watertight control panel equipped with the latest PLC technology is one of the standard options upon installation of a movable pool floor. The panel is easy to use and safe in wet environments thanks to its IP 3X certification.

WATER-DEPTH DISPLAY

Our LED displays with aluminium casing have a 120-degree viewing range. The displays are interference-resistant and they are equipped with automatic activation and deactivation. Once the pool is closed, the display switches off automatically, increasing its lifecycle



CENTRE OF EXPERTISE

Variopool is a leading partner in the swimming pool industry and offers a wide range of pre-selected, premium products that meet our high standards for service and quality.

VARIOPLAY

Varioplay, a subsidiary of Variopool, is a total supplier of complete pool equipment, time registration systems, spray parks, slides, bleachers, water polo chairs, LED screens, and play elements for swimming pools. Our slides come in different diameters, lengths, and heights and can be combined with light and sound effects to create an attractive experience for various target groups.

All components are produced to the highest quality standards. In addition to our complete product line, we offer an innovative solution called Area H2O, which adds more audience and attraction to your pool. Find out more about the product elsewhere in this brochure and see for yourself why it's the next level in water entertainment.

HOLLAND AQUA SIGHT

Holland Aqua Sight B.V., our subsidiary, specializes in the installation of acrylic underwater windows. These windows can be incorporated into designs as underwater features, with light output being an integral part. For example, they can be used in the entrance to a hotel, shopping center, hotel room, or swimming pool.

The underwater view makes the terrace, garden, or view part of the overall environment and creates a "wow" effect for guests. We also supply and install movable pool floors for private pools, making every project unique, personal, and to your liking, anywhere in the world.

Overall, the revised text is more concise, clearer, and uses stronger and more appropriate word choices. The tone remains informative and promotional, with a focus on appealing to potential clients and partners.



VARIO POOL VARIO PLAY VARIO DECK HOLLAND AQUA SIGHT

FOR PUBLIC AND PRIVATE POOLS



VARIODECK

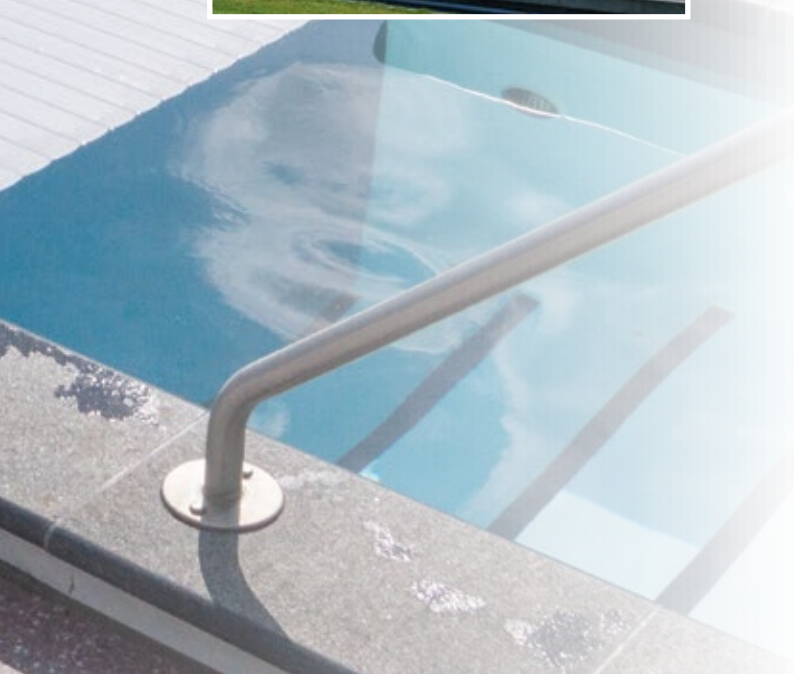


COVERING YOUR ENERGY

Variodeck, a subsidiary of Variopool, supplies and installs a wide range of pool covers in different sizes. These pool covers are a great addition to the Variopool product catalogue and allow us to offer you a total package. An example: you can have a movable floor on night mode and the rest of the pool covered with a Variodeck system.

The Variodeck pool covers offer countless advantages. Their effective insulation layer cuts energy costs by almost 70% - good for the environment and for your wallet too, as your operating costs will be considerably lower. After all, not only outdoor pools have a high degree of heat loss, for indoor pools too this is a major expense. Variodeck covers ensure that evaporation is reduced to a minimum. Moreover, they keep the water clean for longer and create a safe environment for children.

Variodeck offers a wide range of options in terms of shapes, sizes and integration methods. We can even replace the foam or rolling slats on existing systems. Moreover, our covers are available in various colours or in a solar version. The system is easy to operate: the cover silently rolls across the pool at the touch of a button. This quick and easy-to-operate system consist of floating foam/slats that roll over the stainless steel axis powered by a roller motor.



NEXT LEVEL...

...IN WATER ENTERTAINMENT!

A New Development in Movable Pool Floor Designs
Variopool presents an innovative and exciting development in pool entertainment: interactive movable floors. The new product range, named Area H2O, is engineered to serve multiple target groups simultaneously.

Alongside Variopool's established benefits, this new floor design incorporates powerful projectors and 3D tracking cameras to transform the pool into an interactive play-ground, which visitors of all ages will surely find captivating.

INTERACTIVE GAMES

Area H2O turns the pool into an interactive playground for all ages. Multiple games available for play, respond to actions and provoke fountains that spray up. Visitors can engage with projected subjects and become part of the game. The pool floor is raised to a higher position, which is about ten centimeters below the surface of the water, enabling projection.

The projector is specially placed above the pool featuring 3D tracking cameras, and is housed in a specially cooled structure to prevent mishaps.

VARIOUS GAMES AVAILABLE

The games presently available under the resounding names, Deep Sea, Discoballs, Pong around and Tubes, are just the beginning. These games define next-level water entertainment, but Area H2O is more than just water play.

More info via www.areah2o.nl



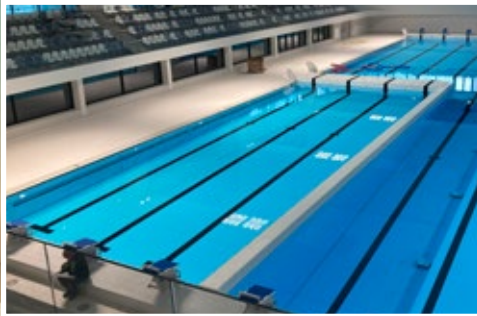
EXCEED EXPECTATIONS



INSULATION FENCE 2.0



TWO TEMPERATURES



Variopool is constantly working on further innovating our products, and we are constantly raising the bar. When such an innovation is conceived and implemented, we are of course very proud of it. We certainly are on our insulation wall.

A global innovation in the world of swimming pools! A movable floor with an integrated insulation fence that allows two different temperatures in the same swimming pool! In swimming pool De Waterline in the city of Culemborg, the Variopool team was the first in the world to make this possible. A similar installation has recently been carried out in a brand new swimming pool in Klaipeda (Lithuania) and in Norway. We expect a lot from this for the swimming pools that will be built in the future.

INSULATION WALL PROVIDES TWO TEMPERATURES IN THE POOL

This was a great challenge for our engineers! Of course they are happy to have entered into them. Various temperatures in the same pool is not something you encounter every week. We call this the 2-TEMP solution. As soon as the wall is folded up, the water temperature is increased in one of the pools. This is very pleasant for very small children and seniors, for example. It turned out to be a wonderful project and we are convinced that we will be able to do this many more times in the future to carry out. The swimming pool in Culemborg was built according to the 2521 concept.

2521 CONCEPT

The name stands for the dimensions of the pool, 25 meters long by 21 meters wide (an 8-lane 25-meter pool). Just Swimming stands for the fact that you can 'just' swim there. Health, sports and learning to swim are the main principles of the concept. There are no whirlpools, saunas, slides, etc. in the standard 2521 pool.

WATER CIRCULATION

Creating a good water circulation in swimming pools is difficult, but very important. With that fact Variopool has been working behind the scenes to come up with a unique solution, and with great success! In close cooperation with architects and water treatment companies, we have developed the water inlet system. A new patented Variopool system that is built into the movable floor and benefits the water circulation. Even the color test shows greatly improved results.

WATER INLET SYSTEM IMPROVES WATER CIRCULATION

We often discuss with consultants, water purification system suppliers and local authorities about disturbing the proper water circulation in pools with movable floors. Especially regarding the dye test (color test) which must be achieved within 30 min but it is well known that it remains difficult, even with numerous perforations (grids) in the floor deck and additional water inlets in the pool bottom slab.

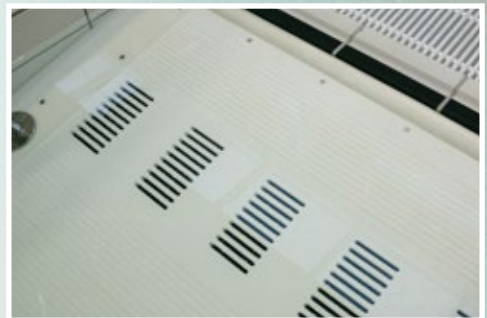
This patented and integrated water distribution system ensures a 100% perfect water circulation above the movable floor at any desired water depth. The system is connected to the various integrated and controllable water inlets via flexible hoses and integrated piping system. The water handler provides the various PVC wall penetrations (number, diameter, and location are project-related) including the connection to the filter installation. A motor-controlled valve must be included in the supply line which is controlled by a signal from our main switch box. (4-20mAmp or 0 - 10 mV.)

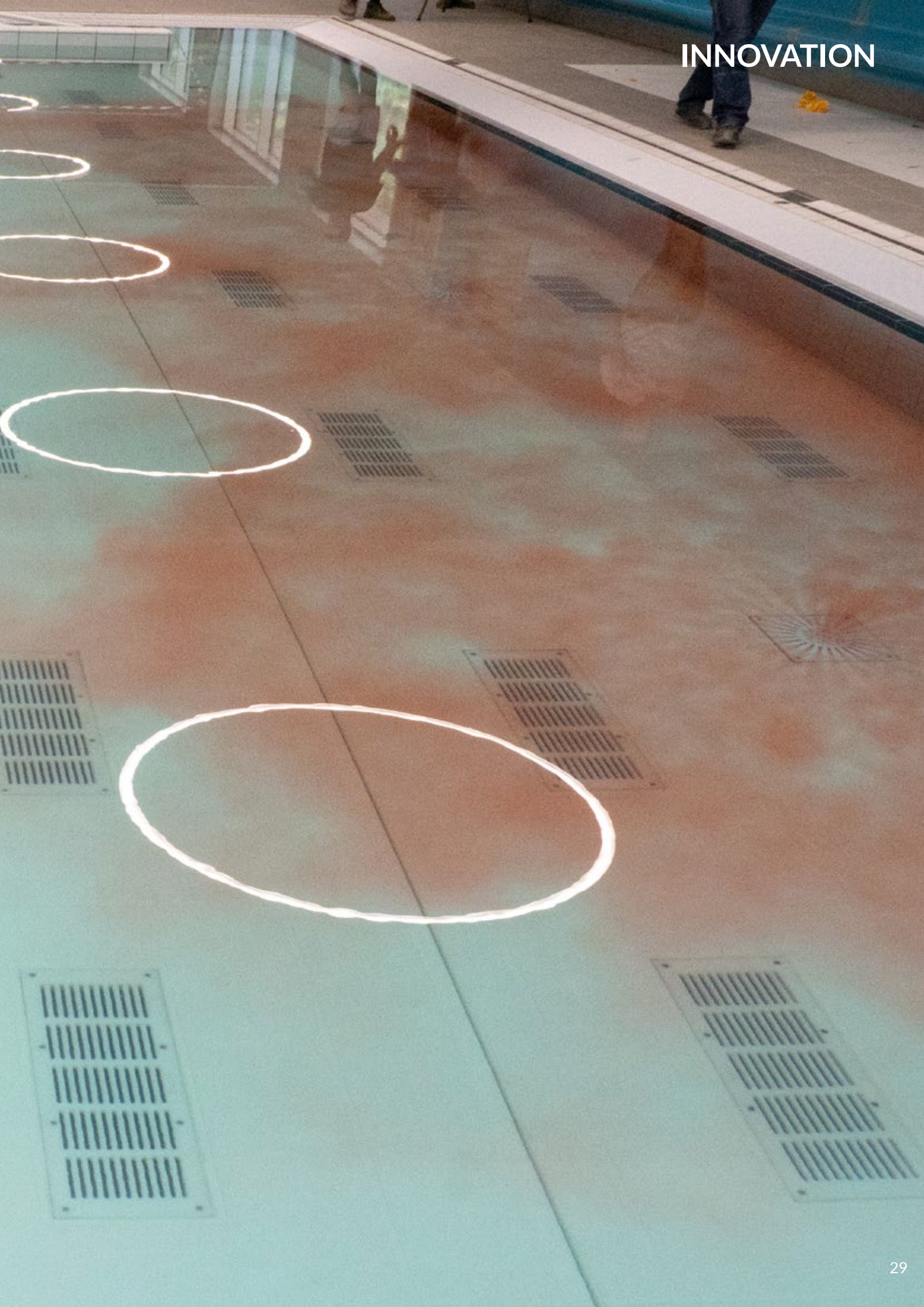
SITUATIONS OF THE FLOOR:

Floor at water level – motor controlled valve is closed 100%
Floor is in motion – motor controlled valve is open and water is streaming through the flexible hoses, piping via the integrated water inlets.

BENEFITS

- 100% guarantee dye test
- Perfect water circulation above floor deck at any water depth of the movable floor
- Less dirt settles underneath the movable floor because of the improved water circulation above the floor deck. This is perfect from a hygienic point of view and it keeps the pool bottom cleaner than before.





PROJECTS

In the past fifty years, Variopool has built up an impressive portfolio of over 1075 installations, most of which are still in use. Needless to say, we are very proud of this achievement. Variopool creates pools not only for leisure purposes, but also for world-class events, such as world championships. This page features a random selection of our completed projects. Get ready to be amazed!



Vita Krokodiel, Middelkerke (Belgium):
Movable floor + AreaH2O



Sportcomplex Wiltsangh, Nunspeet (Netherlands)
Movable floors & AreaH2O



WORLD
AQUATICS



IAKS
International Association
for Sports and Leisure Facilities

PARTNERS

Variopool has established a worldwide network and gained a wealth of knowledge through collaboration with international partners. The organization sees its partnerships as important binding factors. Here is a breakdown of Variopool's partnerships:

KNZB

Variopool serves as a technical supplier to the KNZB and supports the Dutch diving team, among others. The Pool of Support, of which Variopool is a member, is a valuable partner of the KNZB as it contributes financially and through its network position. This partnership strengthens the sport, makes it more accessible and better.

WORLD AQUATICS

Variopool is an official partner of World Aquatics and offers the international swimming federation a complete package. Along with Myrtha Pools, Variopool builds swimming pools globally. Variopool has contributed to building swimming pools for World Championships in Dubai (2010), Szczecin (2011), London (2012), Barcelona (2013), Kazan, Gwanju, and Budapest, among others.

LEN

LEN is a non-profit organization that promotes swimming sports in the broadest sense. LEN organizes championships in swimming, show jumping, synchronized swimming, and water polo. The association has 51 national swimming federations affiliated, including the KNZB.

IAKS

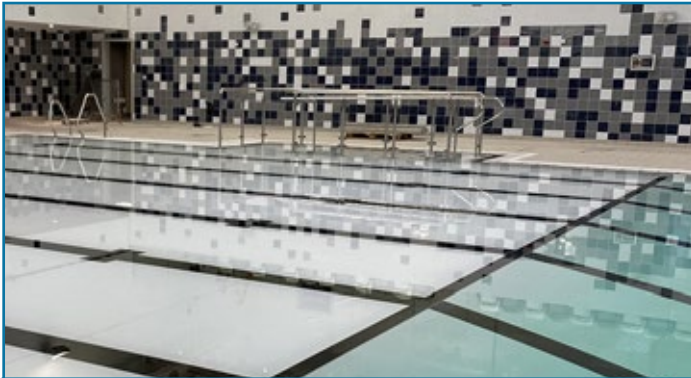
The "International Association for Sports and Leisure Facilities" (IAKS) is a non-profit organization recognized by the International Olympic Committee. IAKS has about 1,000 members across 110 countries, connecting architects, sports funds, and clients.



Aquatic Centre Universiade Gwang-ju, South Korea:
Movable floor



National Aquatic Centre Kazan, Russia:
Movable floor and Horizontal bulkhead



Templemore Swimm & Fitness, Ireland:
Movable floor with flaps and integrated stairs



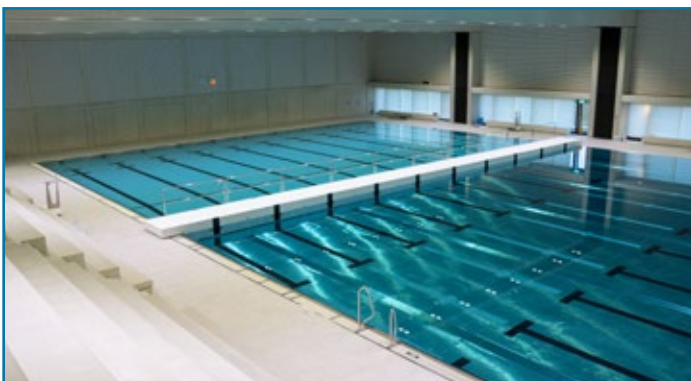
Marina Centre Great Yarmouth, UK:
Movable floor and disabled platform



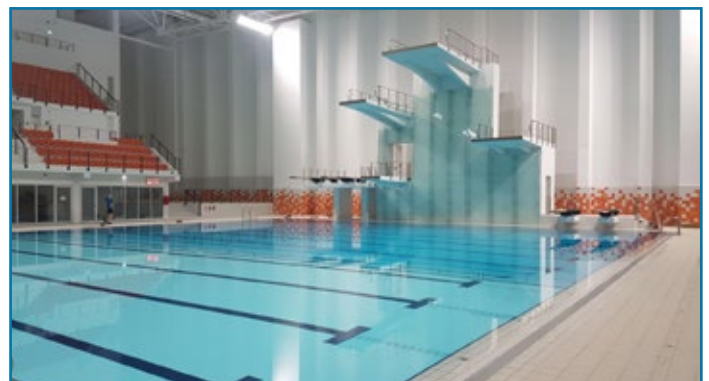
Helensburgh Leisure Centre, UK
Movable floor



Windsor Aquatic Centre, Canada:
Movable floor



Campus Sursee, Switzerland:
Movable floor, horizontal bulkhead headwall, pool equipment



Lodz, Poland:
Movable duo-floor



Variogroup is the collective name for all divisions. The Variogroup includes the divisions Variopool, Varioplay, Variodeck, Holland Aqua Sight and Variomedic. We want to present ourselves as one organization. From Variogroup.com you can choose to go directly to the various affiliated websites, each with its own specialty.

There you will find the latest information on products, our worldwide projects and more detailed information about the various innovative products.

