



Building on water, it's our business!





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The climate is changing, sea levels are rising, the bottom level of the seas are lowering and there is more and more intense rainfall. In short, water is closing in on us from all sides, as a result of which urbanisation encounters more and more obstacles. In order to properly manage the quantities of extra water, expanding dykes alone will not suffice anymore. Water must be given space, before it claims it itself. This appears to collide with the increasing need for room to live, work and relax in. Still, a proper solution is within reach.



Make a friend of your enemy

The Netherlands has an excellent reputation in the field of water management. Our engineers help countries all over the world with problems of overabundant quantities of water. In the Netherlands, we are already a step ahead. The realisation that we can use the space that the water offers us as "building land" is growing fast. The first projects have already been realised and many new large initiatives are at the point of being executed. In this way, we have made something that was once our enemy a friend. After all, we enjoy living, working and spending our leisure time in the direct vicinity of water.

FlexBase, the powerful basis for every project.

The important basis of every building project on water is the foundations, where high demands are stipulated owing to the unstable nature of water. FlexBase, a floating platform that was especially designed for supporting large constructions, complies with the strictest requirements. The light weight of the construction gives FlexBase

floating platforms a considerable buoyancy and therefore also a large load-bearing capacity.

The secret behind FlexBase

The design of FlexBase uses two proven materials, concrete and EPS (expanded polystyrene). This results in a floating platform with unique characteristics. The use of EPS, better known as polystyrene foam, makes FlexBase floating platforms unsinkable. EPS consists of air for 98% and the EPS pearls have a closed cell structure, resulting in huge buoyancy. Moreover, EPS is waterproof and does not leach out or degenerate. The combination of all these characteristics and solid concrete results in a foundation with unique possibilities.

FlexBase, unlimited possibilities

FlexBase floating platforms are assembled on the water. This means that building platforms of up to several thousand square metres can be realised. The only limitation relates to handling the concrete. By using EPS any shape is possible. Square, rectangular, round or oval, everything is

possible. In addition, the FlexBase floating platforms move effortlessly with the fluctuating water level.

FlexBase and stability

The floating platforms are prone to listing and drifting, due to a lack of a solid foundation. The larger the floating platform the more stable the building will be. A building on a floating platform measuring 10 x 10 metres already complies with all the requirements relating to listing. In practice, FlexBase can therefore nearly always be applied.

Our future on the water

FlexBase is a product of a joint venture between two renowned homebred Dutch companies, Dura Vermeer and Unidek. By combining their knowledge, they designed a light but strong floating platform that can be used for a broad spectrum of applications on all water surfaces or other unstable surfaces. The projects realised prove that a large variety of applications are possible. International interest for FlexBase floating platforms is also considerable. The reason is simple. We have made a friend of our enemy.

