

## **CASE STUDY**

## Premium pontoons for major flood management scheme

'Room for the River IJsseldelta' project, the Netherlands

In 2018, Walcon Marine via its Benelux distributor W2 Support B.V. supplied a series of premium pontoons as part of the ongoing development of one of the largest flood-risk management schemes in the Netherlands in recent years.

Not only have the pontoons been built to a very high specification, but the project architects also required additional features and styling which Walcon was happy to accommodate.

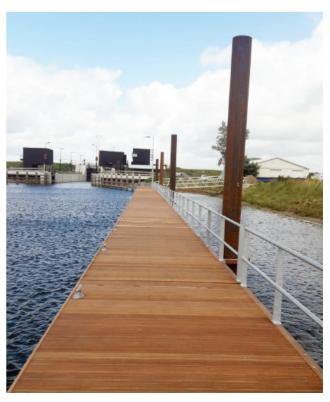


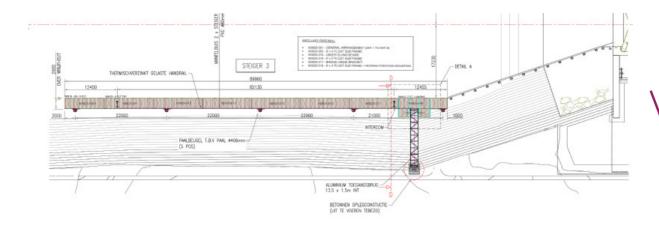
The 'Room for the River IJsseldelta' project is a major undertaking that includes the deepening of seven kilometres of the River IJssel and the construction of a new flood channel, the Reevediep.

The result will be the creation of a new area for storing floodwater for managed release into the Drontermeer and IJsselmeer.

As well speeding the flow of excess water, the Reevediep also forms an important link and shortcut in the network of sailing routes between the bordering lakes around the province of Flevoland and the river IJssel.

Walcon and W2 Support engineered and supplied the pontoons for the fairways either side of the lock that connects the channel with lakes, located on the newly-built dyke for the river IJssel.

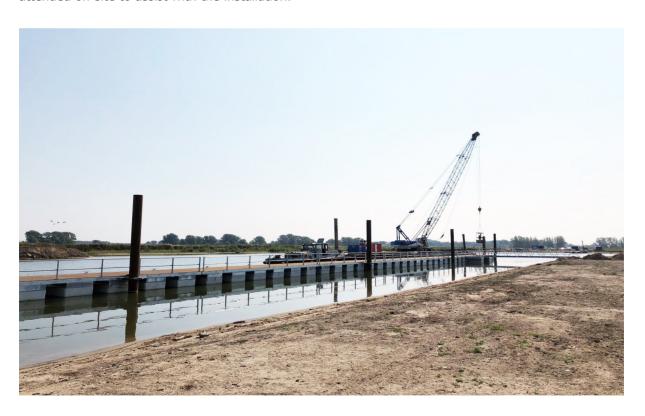




In total five jetties, each 100 metres in length, have been supplied to main contractor Boskalis. The pontoons are Walcon's proven System 21 units but built with extra-high freeboard of 900 mm and double fendering. While the majority of traffic using the pontoons will be smaller leisure craft, this specification will enable them to comfortably handle barges and other larger vessels. In keeping with this, they also have a higher than usual live load.

Another feature is the handrails that run along the rear edge of each jetty. These required a compensating solution to ensure that the decking remained completely level. Walcon personnel attended on-site to assist with the installation. "This has been a very satisfying project that demonstrates our ability to deliver custom solutions down to the finest details," says James Walters, managing director of Walcon Marine. "We worked closely with the project architects to ensure that they achieved exactly the effect and style that they sought.

IJsseldelta 'Room for the River' is one of 34 projects that form the Dutch Government Programme "Room for the Rivers". This includes measures being taken to give rivers space to flood safely in over thirty locations throughout the Netherlands, while also making the adjacent land safer and more scenic.



Founded in 1963, Walcon Marine is the market leader in the design, construction and installation of marinas, yacht harbours and berthing facilities around the world. As probably the longest established and most experienced company in its field, Walcon Marine is a global organisation with manufacturing facilities in the UK, Australia and Dubai. Its pontoons are now installed in over 30 different countries on five continents.