Case Study

61

M3 Floodtec

ENVIRONMENT AGENCY · MALDON BYPASS GATE, ESSEX

Large-Scale Bespoke Mitre Flood Gates Installed at Maldon Bypass, Essex

M3 Floodtec managed the replacement of two ageing gates for the Environment Agency, from initial survey through to installation.

2 Gates
A new pair of bespoke Ekki hardwood mitre gates installed.

2 Weeks
Two weeks on site: gates replaced, water-tested and handed over.

50 Years
The specified service life of the new Ekki hardwood gates.











The Problem

Maldon Bypass Gate is an important flood defence structure on the Chelmer and Blackwater Navigation.

The gates help control water movement and manage flood risk in the surrounding area.

The existing timber gates had reached the end of their service life, and the steelwork was beginning to buckle.

The Environment Agency needed a replacement pair, while principal contractor BAM UK & Ireland wanted one contractor to manage the project from start to finish.

The Solution

M3 Floodtec surveyed and designed two bespoke Ekki hardwood mitre gates, each measuring approximately 3.29m x 3.45m.

The gates feature galvanised steelwork on both sides and diagonal support ties. New pivot fittings and two sets of stop logs were also supplied, while the existing operating equipment was refurbished off site.

Temporary dams were put in place to allow the chamber to be pumped dry. The old gates were then craned out and the new gates lifted into position, tested and signed off.

Featured products and services:

Flood Gates - Large-scale bespoke Ekki hardwood flood gates.
Design & Manufacture - From site survey and engineering design to fabrication.
Installation - Specialist removal and fitting of replacement gates.

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