

## Flood Alleviation Scheme Shrewsbury, England

Over recent years, the medieval town of Shrewsbury has been flooded by the River Severn with increasing frequency, partly as a result of melt waters and partly after severe thunderstorms.

The Government's Environment Protection Authority, the "Environment Agency", Midland Region, initiated the installation and Severn Trent Water promoted the installation of demountable flood defence systems. The planners had to overcome the varying levels of the existing structures, as well as several cross-overs and junctions.



*Shrewsbury is situated in a large floodplain*



*The new barriers defending areas of new regeneration*



*Demflood system creating a new flood storage area*

**Client:** Environment Agency

**Heights:** 1.50 up to 3.30 m

**Length of the defence line :** 180 m

**Characteristic features:**

- Symmetrical posts with preinstalled ground plates

- Replaceable compressable seals
- Interlocking dam beam profiles
- Height adjustable with rising floodwaters
- Limited number of system components
- Simple compression of dam beams
- Erection on landward side