

# Making a world of difference for Venice, Italy

## ABB Ability™ solution helps keep Venice dry

Built on a group of islands and islets in a lagoon separated from the Adriatic Sea by a thin stretch of land, Venice is often subject to the threat of flooding from high water tides.

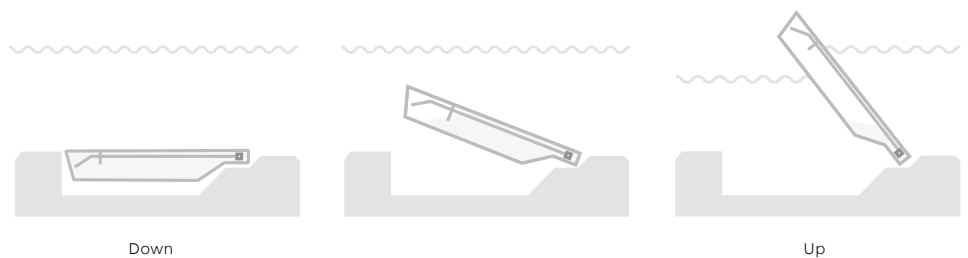


To protect itself, the city has built a system of navigation locks, breakwaters and a 1.6-km-long barrier composed by

**78 retractable, air-filled steel flood gates.**

## The Mo.S.E.

Italian acronym for Experimental Electro-mechanic Module.



The barrier's complete system is automated and controlled by an ABB Ability™ automation system and pressure transmitters. It manages data signals from more than **50,000 devices**.



The ABB Ability™ automation solution **integrates the electrical system** and together, they coordinate the raising and lowering of the barriers, and ensure stable and reliable energy supply to the entire system.



In about

**30 minutes**

the system deploys completely, thus creating a steel barrier that can withstand **a three-meter tide**.