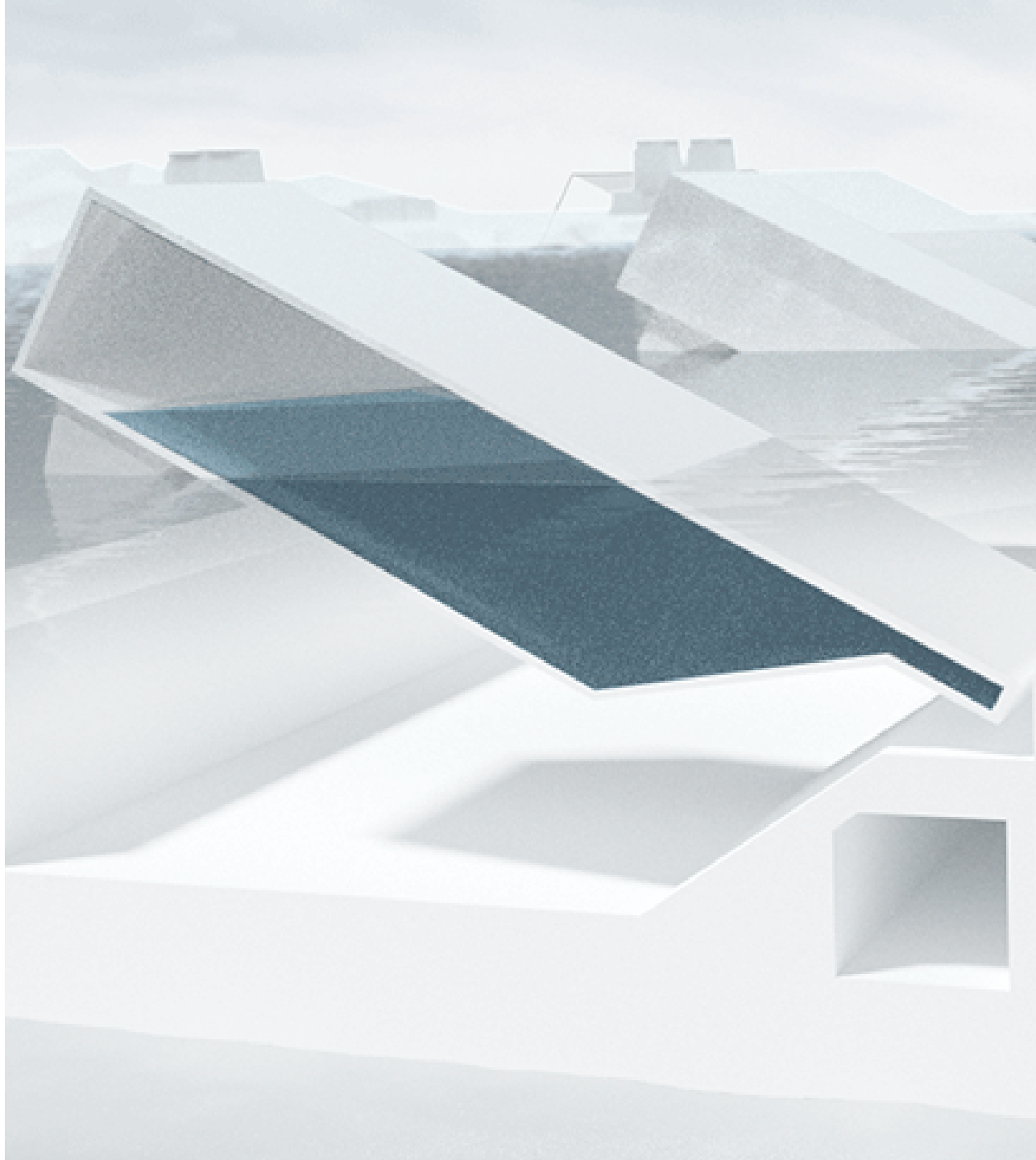
Shielding Venice, the city on water from high waters

Powering and controlling a flood barrier system to protect Venice

ABB to power and control the Mo.S.E - the innovative flood barrier system to protect the city from floods



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Powering and controlling a flood barrier system to protect Venice

Customer :

Location : Venice, Italy

Industry : Water and wastewater

Customer need

- Automate and control the innovative flood barrier system - **Mo.S.E**. (the acronym for experimental electro mechanic module)
- **Block the high tides** and storm surges that enter the Venetian Lagoon through three inlets.
- Control 78 retractable, air-filled steel **flood gates** embedded on sea floor at the three inlets to Venice's lagoon

ABB's solution

- **Integrated automation** and electrical solution
- The barrier's complete system is automated and controlled by **ABB's Symphony® Plus distributed control system**.
- Symphony Plus automation software platform to manage data from more than **50,000 devices** and coordinate operation of the entire flood protection system
- MV, LV-switchgear, Distribution transformers