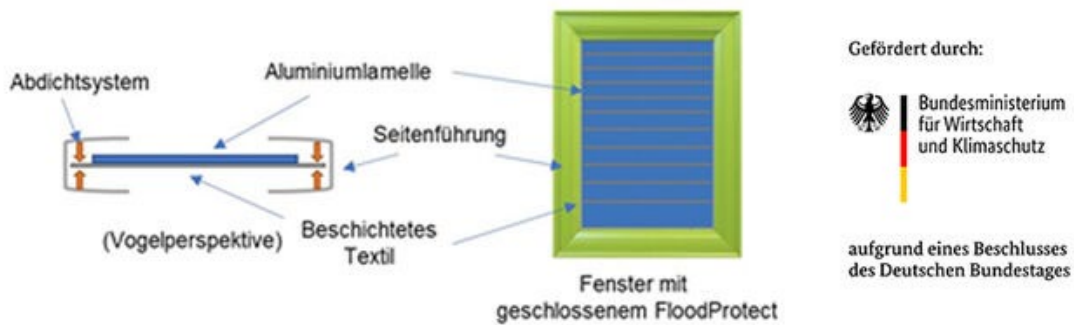




## Development of a new type of system for the automated protection of family homes and apartment buildings - FloodProtect

The aim of the project is to develop a watertight, pressure and puncture-resistant roller shutter system to protect against flooding, among other things, which is automatically activated when water levels rise and has an app interface for remote activation.

The aim is to prevent floodwater from entering. In the project, a tear- and puncture-resistant coated fabric is being developed and equipped with a suitable coating. The coated fabric is joined together watertight with aluminum slats for reinforcement. In addition, a suitable side guide will be developed for the aluminum slat-fabric composite. The project also includes the construction of a level sensor and the connection of the entire system to a house management system with app control in order to achieve an automated sealing system.

### Project partners

The project is being carried out in cooperation with BS-Metalltechnik GmbH (Aachen) and Elektro Eckstein GmbH & Co. KG (Aachen).

### Duration

24 Month (1.3.2023 – 28.02.2025)

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