

Environnemental Startup B to B - B to I









Temporary flood barrier



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Cerema (which stands for Centre for Studies and Expertise on Risks, the Environment, Mobility and Urban Planning) is the major French public agency for developing public expertise in the fields of urban planning, regional cohesion and ecological and energy transition for resilient and climate-neutral cities and regions.

- > Qualify the solution for communities
- ➤ Targeting representative experimental sites
- > Deploy the solution in real conditions
- Networking and partnerships



Designs, produces and distributes any device within the framework of projects involving activities related to civil engineering.

We have developed a **solution** that makes it possible to take **emergency action** during **flash floods** in **impermeable areas without** having to resort to **heavy human** and **mechanical** means that are often out of reach.

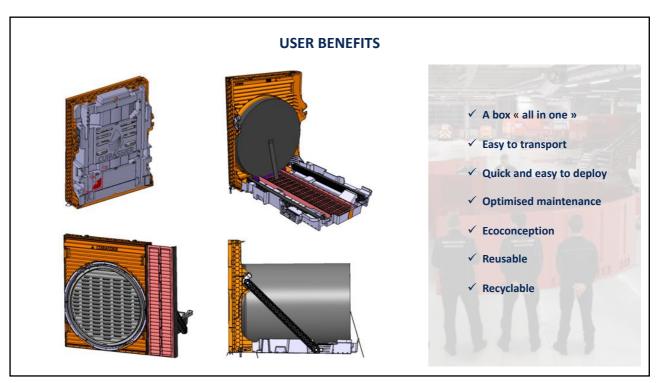
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The solution

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Standards and Certifications







Cuirassier has designed its solution taking into consideration all the normative constraints for this type of protection.

We have carried out an FMECA which contains all the specifications of the American standard and the English standard.

We will pass the certification tests of the American standard :

FM Approval ANSI-2510 in 2023



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Cuirassier, solution provider on two European projects :



InterReg 2 Mers Polder2C's - 2020/23

Tests of infiltration, overflow, crossings but also crisis management during a breach in the structure





InterReg Sudoe Inundatio - 2020/23

Flood management in upstream watersheds that are poorly instrumented and subject to rapid and severe flooding



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Testing of a prototype series, without anchoring, on a non recommended ground

A prototype module was tested previously at HR-Wallingford laboratory on a concrete ground. The leakage was assessed around 17l/h/ml. In Hedwidge Prosperpolder, the ground conditions were extremely difficult with the presence of five centimetres high bumps on irregular clay ground.











Testing of a prototype series, without anchoring, with experimental seal

5 tides, from the afternoon of April 27, 2022 to the afternoon of April 29, 2022, were used to evaluate the behavior of the defences.



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Now

The module

Tomorrow

The service

Become the new reference for flood protection & Create the connected object

Collect data in real time thanks to the first protection connected

