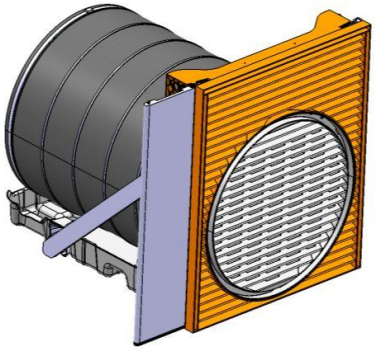
What is the Cuirassier system?



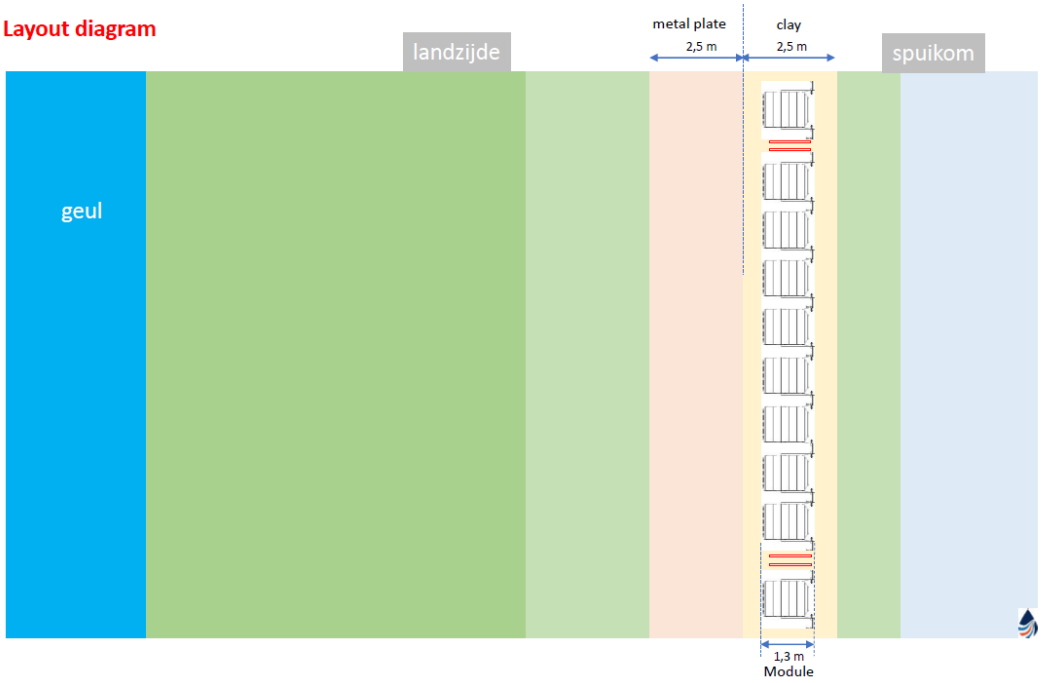
This LpS8 module is a temporary flood protection barrier in urban and industrial environments. It is installed, anchored or not, on impermeable ground such as asphalt, paved surfaces or concrete. It allows emergency action during rapid or slow flooding in impermeable areas, without requiring heavy human and mechanical resources.

What is unique about this Cuirassier system?

It offers a unique system in capturing flood water in its water bag without any human intervention. This makes it a self-contained, self-supporting and stable barrier that can be used without anchoring. This innovative, effective, temporary and versatile system will allow to protect the population, the territory, economic and heritage interests.

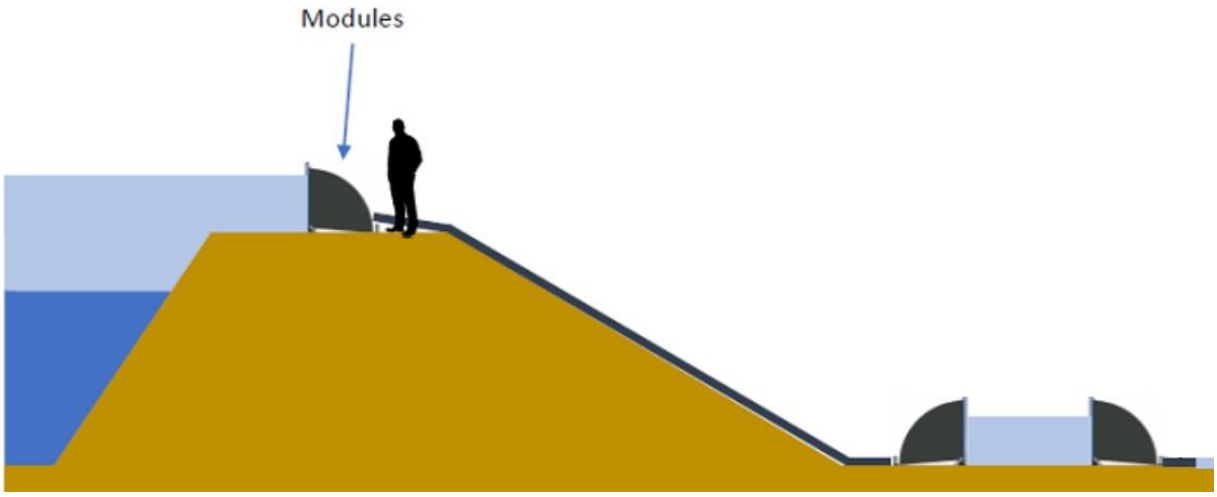
What will be tested during the test in the Hedwigepool?

During the test in the Hedwigepool, the stability with two different soil conditions without anchoring will be tested: natural ground and metal plates on the crest of the dike. These soil conditions have never been tested with LpS8 modules.



Moreover, the use of pipes for water diversion will be tested. We will measure the diverted water discharge and observe whether this diversion car increase the stability of the modules.

This diversion can indeed enable to pass the flood peak for small watercourses in reducing the flood peak level. For larger watercourses, we will test whether the module stability can also be improved.



Why is this specific system tested?

This specific system is tested because it is an innovative solution that can easily integrate additional innovations like pipes in Hedwigepool or IoT for example for the remote measurement of water level or a controlled barrier removal in case of emergency.