

Development of a Muddy Water Removal Device

Overview

Removing wet sediment from flood-damaged homes is traditionally manual, physically exhausting work using shovels and heavy sandbags. To relieve this strain, we are developing a mobile, high-efficiency vacuum suction device for muddy water.

The system automates the entire process from suction to bagging, eliminating the need to lift heavy sandbags. By converting harsh manual labor into a machine-operated solution, we reduce the physical burden on recovery workers and speed up disaster relief. We are currently refining the prototype following recent field testing.

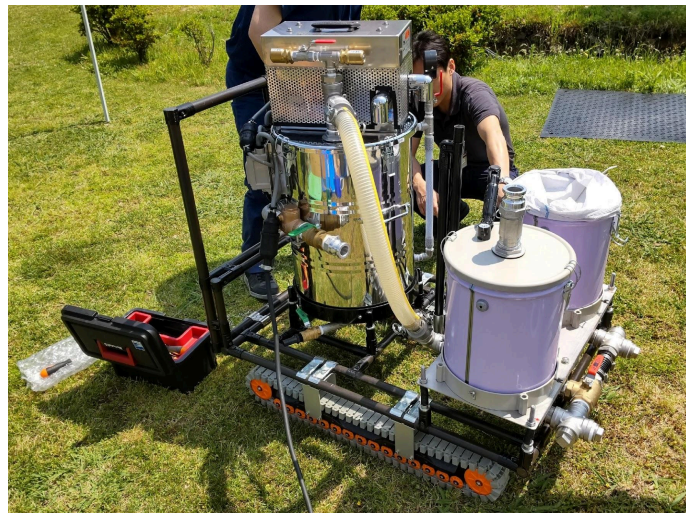


Image: Muddy water removal device