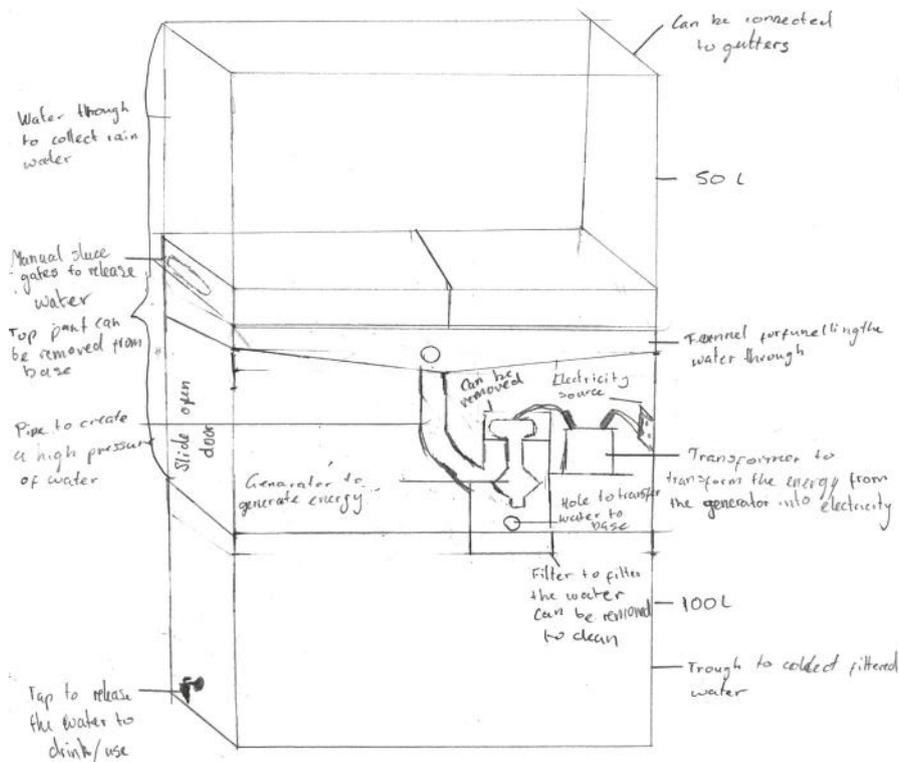




# IF YOU WERE an **ENGINEER** WHAT WOULD YOU DO?®

**South West England Leaders Award 2019  
Winner, Year 9**

## Filtering Machine



**Name:** Eowyn Heathcote  
**Gender:** Female  
**School name:** Plymouth High School for Girls  
**Year group:** Year 9

The '**Filtering Machine**' is a trough on top where it collects rainwater. The pipe the water travels down powers the generator. As it spins, it creates energy which turns into electricity. After the water is used to power the electricity, it goes through a filter to the base where safe drinking water is held.