



# IF YOU WERE AN **ENGINEER,** WHAT WOULD YOU DO?™

**North East England Leaders Award 2018  
 Winner, Year 7**

## Building De Turbinis

Daniel Scott set 1 77

Not only does this building use design to its advantage but it also enhances the rains abilities. It takes the vibrations from wind & rain.

Each of these tiles could make up to 300 w/h that would be enough to power the office floor for 5 hours!

4 pressure sensitive panels to take vibrations from wind & rain. They move 1cm Up/Down to take vibrations.

The building would face the prevailing wind to optimise eco-friendly pressure panels.

This could be built on the west coast of the UK to face the storms coming from America.

The government are using a similar scheme, with using Pavement's smart street. This takes vibrations from footsteps to power the street.

The energy would be collected in a generator that would be backed up by an alternate power source.

This building shows the advancement of eco-technology and could encourage other sustainable power sources.

One step to the courtyard would also have this technology.

Labels in drawing: Pent house office, offices, Main foyer, Peds.

**Name:** Daniel Scott  
**Gender:** Male  
**School name:** Dame Allan's Secondary School  
**Year group:** Year 7  
**Which engineer inspired you?** Mrs Lines  
**From which company?** Arup

**"Building de Turbinis"** a revolutionary Eco-Friendly building powered by wind, rain and "Eco-Panels" that vibrate and, thus, creates and stores energy.