*Project Report*

Waffer application project aims to be of an assistance to sustainable living by ensuring that electricity power is not left unused. It is not limited to be used by adults only, for it works for both adults and children. Waffer will be using two sensors to detect who’s walking inside a room so that it can notify them to turn off the light, and to send over a notification to the local electricity company and pay the bills electronically. However, for when it is used by children, as soon as a child walks be it shows a message on a touch screen with the message “Would you like to turn off the light? ☺”. Then the child can see that and willingly turn of the light. Arduino is also used for the project as well to turn off the lights automatically if there is no one in the room.

*Arduino*

Arduino is an open-source electronics platform that is very popular to use due to it being very easy to use hardware-wise and software-wise (What is Arduino?, N.D). The boards Arduino uses can do a multiple of tasks such as read a twitter message to light a sensor (What is Arduino?, N.D). The variety of it uses is ultimately makes it a very popular tool to use, as well as it easy-to-use instructions. Arduino was created in Ivrea Interaction Design Institute for the intention of having an easy tool for the purpose of fast prototyping for students who hold no background in programming and electronics (What is Arduino?, N.D). Overtime Arduino became popular, and is now used widely and is continuously adding more features to be done on it.

What is Arduino? (N.D) Arduino. Retrieved from <https://www.arduino.cc/en/Guide/Introduction>