

Introduction to Electricity with Lego Mindstorms

I Love Neutrinos

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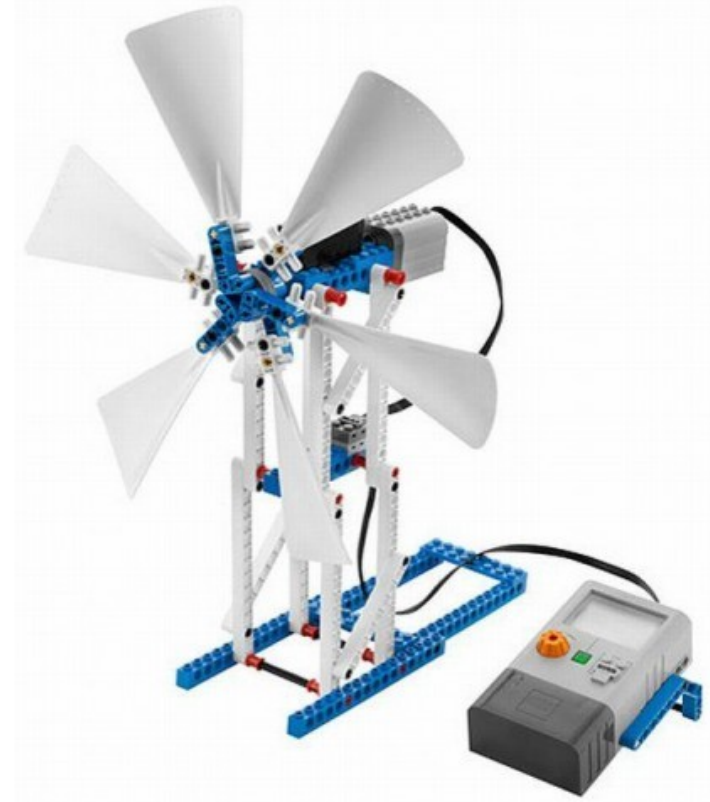
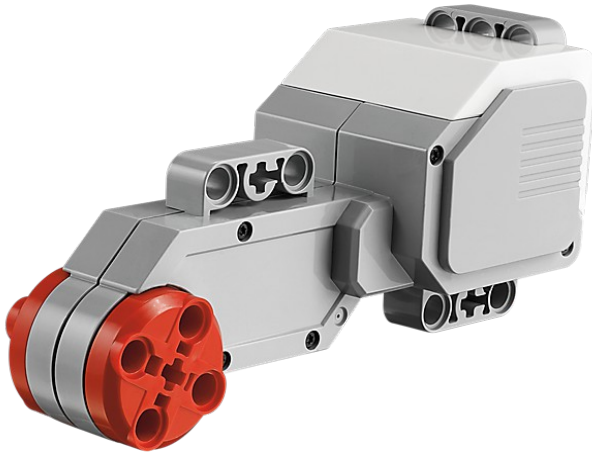
Exercise 1

- Update your power plant adding a PF Switch.
 - Develop a EV3 program to stop storing energy when power plant reaches 80J



Exercise 2

- Upgrade your turbine to change the orientation
 - Develop a EV3 program to detect a loss of energy and update the orientation
 - Measure energy generation in 3 angles to update the orientation



Exercise 3

- Build a wind turbine
 - How many Watts generate with 3 blades?
 - How many Watts generate with 4 blades?
 - How many Watts generate with 5 blades?
 - How many Watts generate with 6 blades?



Exercise 4

- How many Julius are 9800 TEP?
 - Develop a EV3 program to caculate the number of Julius to satisfy the energy demand of Comunidad de Madrid

