**Slide 1:**

Presenting ourselves and the title of the project.

**Slide 2:**

What are the requirements?

* We needed to implement a low-power system that takes environmental data and sends it to a server/mobile app and shows it like graphs.
* This system could be implemented on a moving robot

How many of them did we accomplish?

* Almost all of them.

What is left to be done?

* The only thing that is still left to be done is presenting the data graph-like
* The idea of a moving DAQ is no longer valid

Future work…

* This system can add more sensors, of course
* A CO2 sensor can be very useful if you want to make a intelli-garden
* A system that also takes action with the data collected (ex: waters the garden if the humidity is low, starts the heater if it’s too cold etc.)

**Slide 3:**

Here we have a brief comparison between three types of devboards.

Frist on the list is the Arduino Uno v3 which is the most popular board of those three. It is used by a lot of people because it is easy to use and quite affordable. The only minuses of this board is that is not a Low-Power oriented board and it does not have a wireless module.

The 2nd board on our list is the RPi3. This is also a very popular dev board but in contrast to Arduino it is not that cheap because it’s a very powerful board. Because of this it uses lots of energy.

The last board on our list is the MSP432. It is produced by Texas Instruments and is low-power oriented. Because this board is low-power it is not that powerful and does not have lots of resources and this makes this board very cheap. The only negative things are that there aren’t a lot of examples online and the board does not have a wi-fi module.

**Slide 4:**

The cheapness of the MSP432 and the orientation for low-power made us believe that this board suits us the best and we chose to use this TI product for our project.

MSP432 has a lot of low-power modes that we can choose from as listed here but we chose to use LPM3 as our main working mode. We made this decision because LPM3 (also known as ‘Deep-sleep mode’) is a mode that allows us to wake up the device from sleep using a real-time clock and also isn’t a big energy consumer while sleeping.