

Dear partners,

We are pleased to inform you of a 3rd party open source software platform compatible with LEGO® MINDSTORMS® Education EV3.

Created by Fraunhofer IAIS in Germany and in cooperation with Google, the Open Roberta Lab® and its visual programming language NEPO® is an online platform suitable for an easy entry point into coding.

LEGO® Education has a long-term relationship with Fraunhofer IAIS and is an official sponsor of the Open Roberta Lab® and NEPO®. However, LEGO Education has no co-ownership of the Open Roberta platform and does not provide any support or guarantee of the quality of the user experience and technology used.

**If the Open Roberta Lab and its visual programming language NEPO are relevant for your market due to an opportunity surrounding coding, please consider this as part of your 2017 market planning.**

## **Main Features of Open Roberta and NEPO:**

- Scratch-like programming language compatible with the MINDSTORMS product range.
- In addition to EV3, it can also be used to program NXT and various other hardware systems.
- A basic 2D integrated simulation environment within the software.
- Online based via web browser – no installation, no updates.
- Access your programs from anywhere.
- Completely open source – all users are invited to help make Open Roberta better.
- Extensive Wiki with a lot of help and support.
- Does not include curriculum content, data logging functionality or graph environment.
- Availability in a wide selection of languages – English, Danish, German, Spanish, Catalan, Italian, Finnish, Polish, Portuguese and French.
- Compatible with PCs running Windows, Linux or Mac OS with internet access as well as tablets and smartphones.
- Communication with the EV3 Brick using either WiFi or USB cable.



## Since NEPO requires a special Firmware For controlling the EV3 Brick, the following add-on purchase items are needed:

- A micro SD card per robot (with at least 2GB of memory but not 32GB or greater memory).
- A micro SD card adapter and SD card reader that fits your computer.
- A USB Wi-Fi adapter per robot (for wireless communication. Alternatively, a USB cable has to be used).
- All required set up information is provided in the [Open Roberta Wiki](#).

## Click on below logos to learn more:



[Open Roberta](#)



[Get started with NEPO](#)



[Open Roberta Wiki](#)

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