

# Trusted IoT: meeting - minutes

**Date:** Wednesday, April 17th 2024

**Location:** VUB, Etterbeek, Belgium

<b>Present:</b>	<u>VUB:</u>	Laurent Segers, An Braeken, Bruno Da Silva
	<u>KU Leuven:</u>	Jo Vliegen, Md Masoom Rabbani, Nele Mentens, Sem Kirkels
	<u>COMmeto:</u>	Ludo Cuypers (online)
	<u>AnyWi:</u>	Morten Larsen
	<u>Verhaert:</u>	Guus Colman (online)
	<u>Colruyt:</u>	Nick Wouters
	<u>LSEC:</u>	Luca Gattobogio
	<u>Shayp</u>	Renaud Gonce
	<u>Lumency:</u>	Jurgen Vandendrijsche, Nikolaos Papenikolaou

These are the minutes of the second Belgian intermediate user group meeting. These will be published on the website: [https://jvliegen.github.io/trusted\\_iot\\_website/](https://jvliegen.github.io/trusted_iot_website/)

## Agenda

- 10h00 - 10h05: Introduction
- 10h05 - 10h30: Overview of trusted hardware security
- 10h30 - 11h: Use case Environmental monitoring
- 11h00 - 11h30: Use case drone
- 11h30 - 12h00: Demos
- 12h00 - 13h00: Lunch

## Minutes

### Re-introduction of Trusted IoT - An Braeken (VUB)

A short presentation was given to guide this meeting. These slides can be found on the website.

## Presentation from ARC 2024 - Jo Vliegen (KU Leuven)

These slides can be found on the website.

### Questions/remarks:

- How many correct classifications are done by the setup from GFal? (Luca Gattobogio)
- To the best of our knowledge, the test setup is only recently finished. Tests with large numbers of PCB have not been done (yet).

## Environmental monitoring use case - Laurent Segers (VUB)

These slides can be found on the website.

### Questions/remarks:

- During the presentation it was said that there is a need for 2 software applications that need to be developed: one for the non-trusted world and one for the trusted world. Is there a different skill-set required for developing both these worlds? (Jo Vliegen)
- The programming skill set is very similar. However, for developers in the trusted world, care has to be taken that both programs are run mutually exclusive to each other.

## FPGA-powered drones use case - Jo Vliegen (KU Leuven)

These slides can be found on the website.

### Questions/remarks:

- Are there any standards on communications that take place ? (Morten Larsen)
- To the best of our knowledge, there are no standards. This use case illustrates that there is an opportunity for coming up with proposals for standards.

## Demos

Two demos were given.

- Environmental monitoring use case - Laurent Segers (VUB)
- FPGA-powered drones use case - Sem Kirkels (PXL - KU Leuven)