





IoT Security has many facettes



# Al Cybersecurity Hackathon Sponsored by SAP & KPMG



# Hackathon Team



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ensures that a firmware follows it's specification

- during Development
- after Release



aligns changes in the spec with changes in

- the original source
- Assembler/C source from decompiled firmware

and shows

- misalignments
- wrong implementations
- manipulations

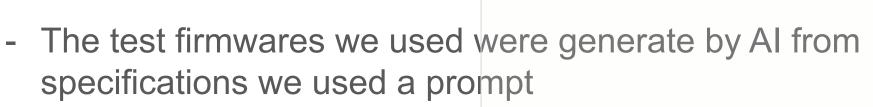


just works



### **Demo Time**

#### Remark



- We see possible benefits in using the spec prompts for building a full specification in parallel to building the software (this part is not implemented yet)



#### **BatchEval**

Calculating a risk score for a firmware based on

- static (SBOM, static code analysis, ...)
- dynamic (from monitoring) data









https://github.com/stoyse/spectrace