



## SPRINT 8

# Sprint 7 - Epics and Stories

- ▶ **Stories for Epic - ComoNeo Analog Inputs**
  - ▶ Interfaces Design (Story Points - 13)
  - ▶ PRU Shared Memory (Story Points - 13)
  - ▶ Run ComoNeo measurement (Story Points - 8)
  - ▶ REST API for analog output of IoTester (Story Points - 21)
- ▶ **Stories for Epic - Deployment**
  - ▶ Automatic Image Boot from SD Card (Story Points - 8)
- ▶ **Stories without Epic**
  - ▶ Sprint 8 - Keep It Running (Story Points - 3)

# Story - Interfaces Design

- ▶ Epic - ComoNeo Analog Inputs
- ▶ Story points - 13
- ▶ Description
  - ▶ As - a developer of IOTester
  - ▶ I need - a design of the communication message between PRU and CPU
  - ▶ To -
- ▶ Product owner acceptance criteria
  - ▶ Message should be easy to use for PRU (no parsing, no caching in PRU, ....)
  - ▶ Message will support all digital outputs and analog outputs usable on IoTTester
  - ▶ Documentation of the message - will contain reasoning
  - ▶ The basic idea how to create this message in CPU is described

# Story - Interfaces Design

- ▶ Tasks Backlog
  - ▶ ...
- ▶ Tasks In Progress
  - ▶ ...
- ▶ Done Tasks
  - ▶ Design Interface between CPU and PRU (Igor Labát)
  - ▶ Documentation for Interface Design (Igor Labát)

# Demo - Interfaces Design

<https://docs.google.com/document/d/1pbfc44xVsVrcGemX5sm9krloWYKH0ritBcCELBD9D2U/edit?usp=sharing>

in

# Story - PRU Shared Memory

- ▶ Epic - ComoNeo Analog Inputs
- ▶ Story points - 13
- ▶ Description
  - ▶ As - a developer
  - ▶ I want to - write/read data into/from shared memory of PRU
  - ▶ So that - we can store data for signal generation
- ▶ Product owner acceptance criteria

# Story - PRU Shared Memory

- ▶ Tasks Backlog
  - ▶ ...
- ▶ Tasks In Progress
  - ▶ ...
- ▶ Done Tasks
  - ▶ Run program for CPU and PRU communication (Tomáš Bujna)
  - ▶ Write data to shared memory from CPU (Tomáš Bujna)
  - ▶ Read data from shared memory from PRU (Tomáš Bujna)
  - ▶ Documentation for PRU Shared Memory (Stanislav Širka)

# Story - Run ComoNeo measurement

- ▶ Epic - ComoNeo Analog Inputs
- ▶ Story points - 8
- ▶ Description
  - ▶ As - a user of IoTester
  - ▶ I want to - be able to run measurement on ComoNeo
  - ▶ So that -
- ▶ Product owner acceptance criteria
  - ▶ PRU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter
  - ▶ The dac value is possible to set via REST API
  - ▶ Robot Framework test checks if the cycle started and checks if the value is as expected



# Story - Run ComoNeo measurement

- ▶ Tasks Backlog
  - ▶ Push Prototype Code to GIT
  - ▶ Comment Prototype Code
- ▶ Tasks In Progress
  - ▶ PRU Reads Data Stored to Shared Memory (Rastislav Kováč)
  - ▶ PRU Generates Analog Signal from REST API (Filip Starý)
  - ▶ Update REST API (Tomáš Bujna)
  - ▶ COMONEO Test (Marián Ján Franko)
- ▶ Done Tasks
  - ▶ ...

# Story - Automatic Image Boot from SD Card

- ▶ Epic - Deployment
- ▶ Story points - 8
- ▶ Story Owner - Rastislav Kováč
- ▶ Description
  - ▶ As - a IoT tester
  - ▶ I want to - image from SD card boot automatically
  - ▶ So that -
- ▶ Product owner acceptance criteria
  - ▶ Image from SD card is booted on BBB startup

# Story - REST API for analog output of IoTTester

- ▶ Epic - ComoNeo Analog Inputs
- ▶ Story points - 21
- ▶ Description
  - ▶ As - a user of IoTTester
  - ▶ I want to - be able to set the analog and digital outputs
  - ▶ So that -
- ▶ Product owner acceptance criteria
  - ▶ IoTTester Rest API provides a call which allows to set digital and analog outputs of IoTTester
  - ▶ The Rest API handler sends the data as a message to RTU

# Story - REST API for analog output of IoTester

- ▶ Tasks Backlog
  - ▶ Push Code to GIT
  - ▶ Comment Code
  - ▶ Documentation
- ▶ Tasks In Progress
  - ▶ ...
- ▶ Done Tasks
  - ▶ ...

# Story - Sprint 8 - Keep It Running

- ▶ Epic - without Epic
- ▶ Story Owner - Stanislav Širka
- ▶ Story points - 3
- ▶ Done Tasks
  - ▶ Export Tasks for End of Sprint 7
  - ▶ Export Tasks for Start of Sprint 8
  - ▶ Split Stories to Sub-tasks
  - ▶ Presentation for End of Sprint 8
  - ▶ Update Retrospective

# Discussion Time

