C ontrol system based on a
H ighly
A bstracted and
O pen
S tructure

WP3 STATUS 12/11/2014

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(HW) Status

Some HW here:

1. 12 BBB + cables +power supplies and SD
2. 5 in+ 5 out Lucid Controllers
3. 10 PT1000 temperature sensors
4. Installed RS485 2 wires interface to condition ing device (Climaveneta),

Sensors list and Positioning received by AdfSola ris (we discuss later).

➔ New order must be done through INFN or ADFsolaris.

➔ wiring and controller position must be desi gned also

(SW) Status

- Tested successfully Tigal RS485 two wires on BBB ➔ require a driver or user space applica tion (in progress)

- Replaced !CHAOS CGI with a New WEB<=> !Chaos UI server, bug fixing in javascript !Ch aos libraries
- Unboxed, setup CRIO9068, some I/O test
- !CHAOS Test & bug fixing

(MISC) Status

- BTF meeting fixed plan of activities, WBS is n ow 99% ± 1% complete
- Fellowship has two winners!! (Marco is one of them)

What's Next ESCO USE CASE

- Driver for Lucid Control I/O
- CU to read temperature sensors
- CU to control Valve and shutters (UTA)

- Driver for tigal RS485 2 wires
- CU to drive Climaveneta

- WEB UI for temperature sensors, Valve, shutters, Climaveneta
- Interest for WSN study over zigbee (WP4)
- Following the provided layout of sensor, thing a possible solution and needs to place controllers, wiring… LIST AND PLACE THE ORDER!!

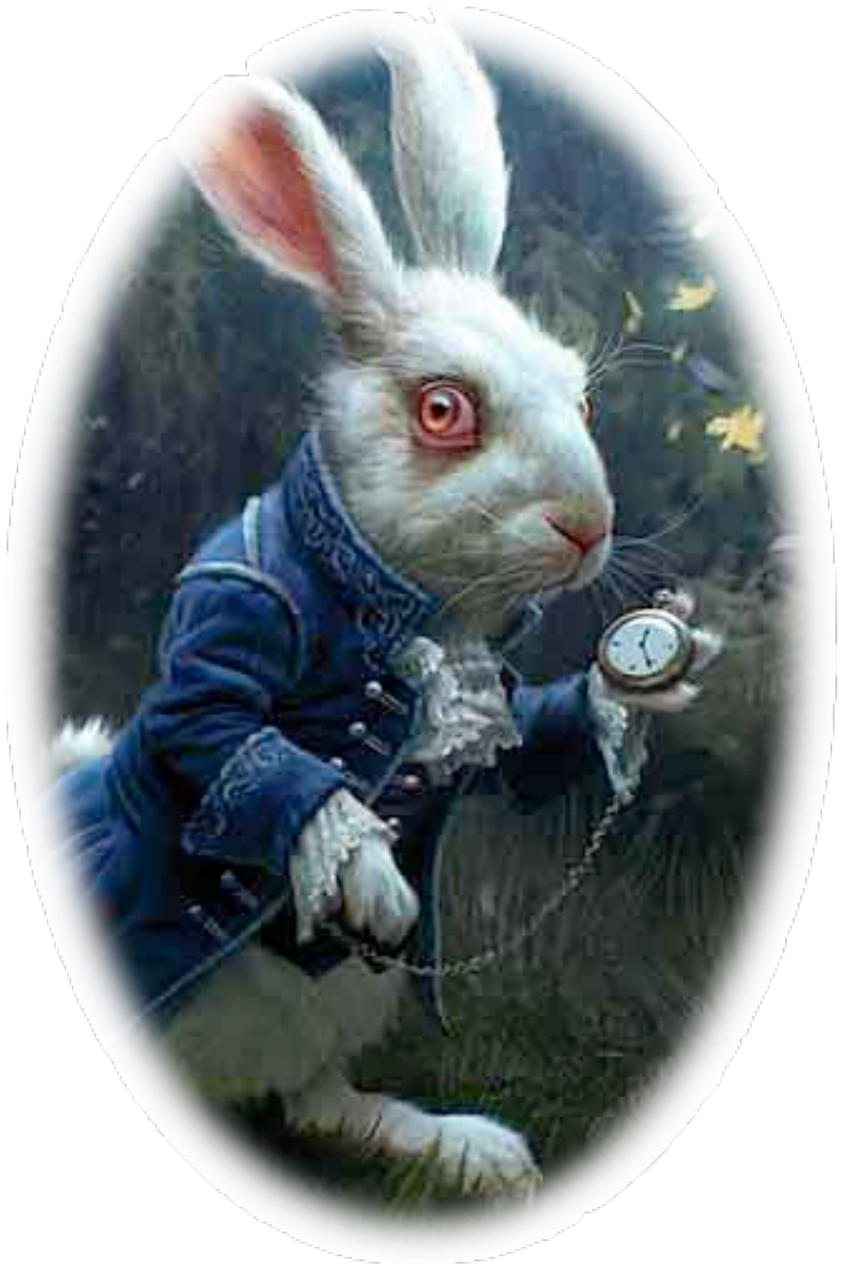
What's Next BTF/LNS USE CASE

- !Chaos that uses labVIEW as a driver

What's Next VIRTUAL USE CASE

New Use Case, that provides a virtual configura ble !CHAOS control system that provides:

1. Getting Started for newbie (CU,UI,configurati ons, documentation)
2. A Platform for test and non regression, over a number of simulated class of devices
3. A Platform to evaluate performances
4. A Platform to experiment control interfaces.



thanks you