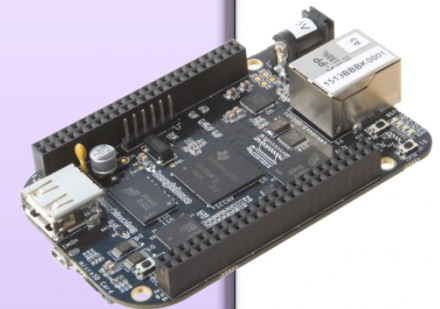


EICASLAB™ DEMO



*The Professional Software Suite
for Automatic Control Design and Forecasting*

EICASLAB Demo RT-emb
Beagle Bone at work!



***Part 2: Modelling and
Like Real-time Simulation***

Modelling and Like Real-time Simulation

The **Modelling and Like Real-time Simulation mode** allows to design the control algorithm and to test it in a simulated environment through 'like real time' simulations.



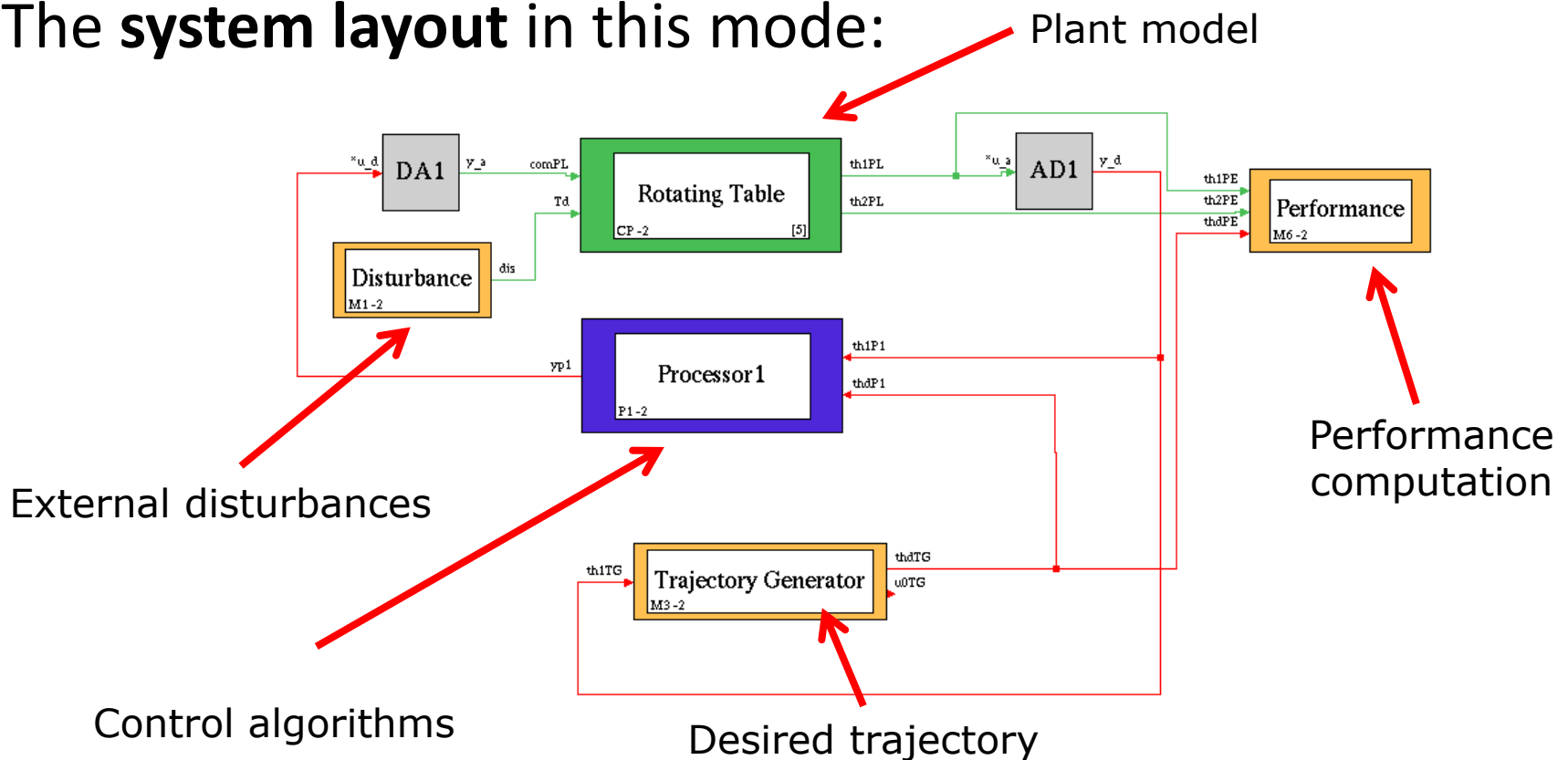
Modelling and Like Real-time Simulation

The main M&LRTS mode purposes are:

- to model the plant
- to run and to validate the model
- to design the control algorithm
- to run and to validate the algorithm
against the simulated plant

Modelling and Like Real-time Simulation

The **system layout** in this mode:



Modelling and Like Real-time Simulation

Who does what in Modeling and Like Real-time Simulation operative mode in RT-emb demo:

HW	EICASLAB RCP Platform	Embedded board target	Rotating Table emulator
SW	run control logic simulate the plant	unused	unused

Modelling and Like Real-time Simulation

The **SIM** tool provides a professional simulation of your control system through a like real-time technique, capable to accurately emulate the execution of the control architecture running in the final target.

It provides diagrams, editing of run-time parameters and recording of data in “POST files”, that can be offline analysed through the **POST** tool.

