

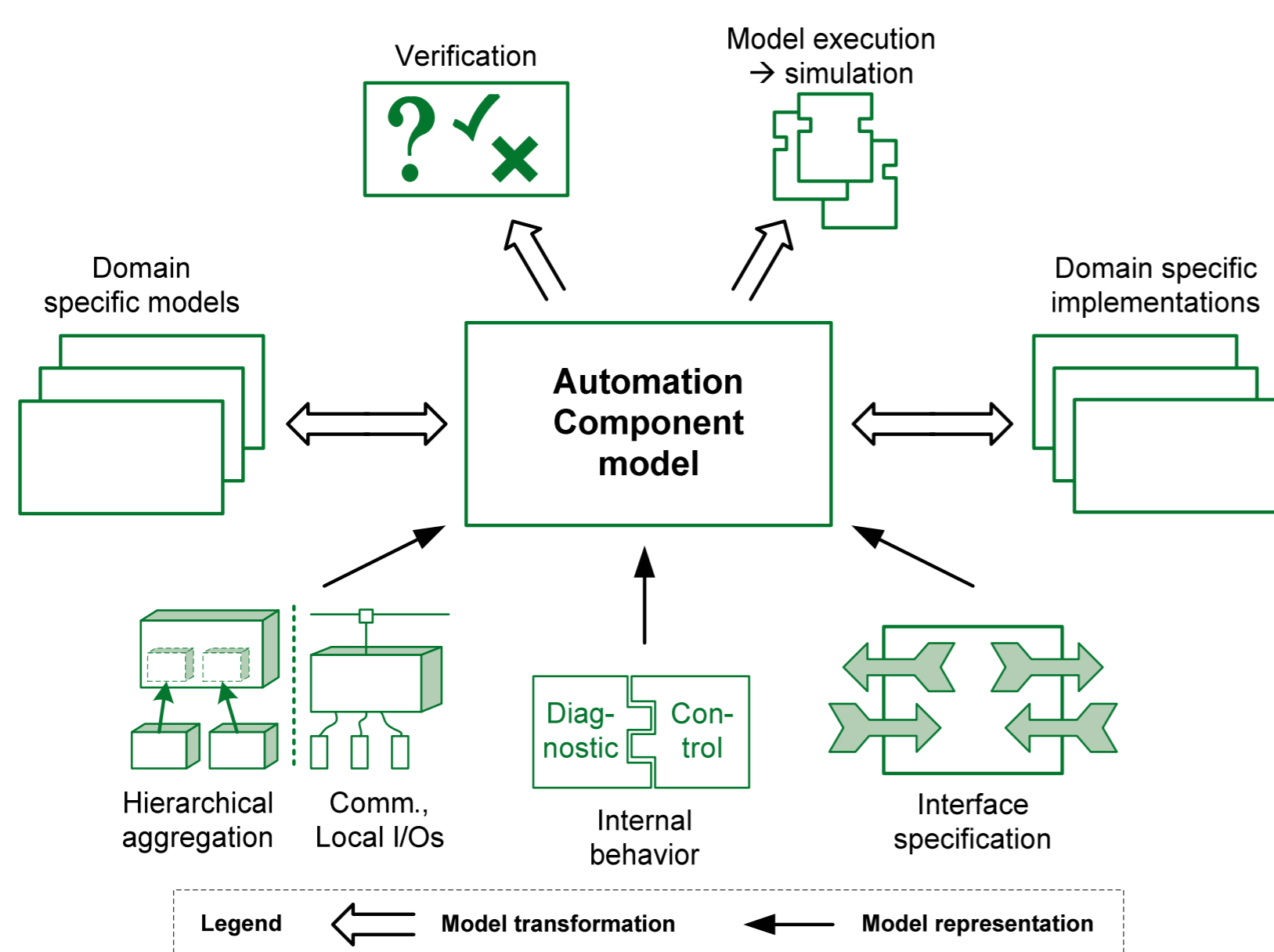
## Aim and Goal

MEDEIA will methodically target, research and develop a formal framework supporting a new modelling method to fulfil the increasing design and engineering needs in the industrial automation sector. Moreover, the project aims at the creation of a new intuitive modelling and design framework for embedded control systems.

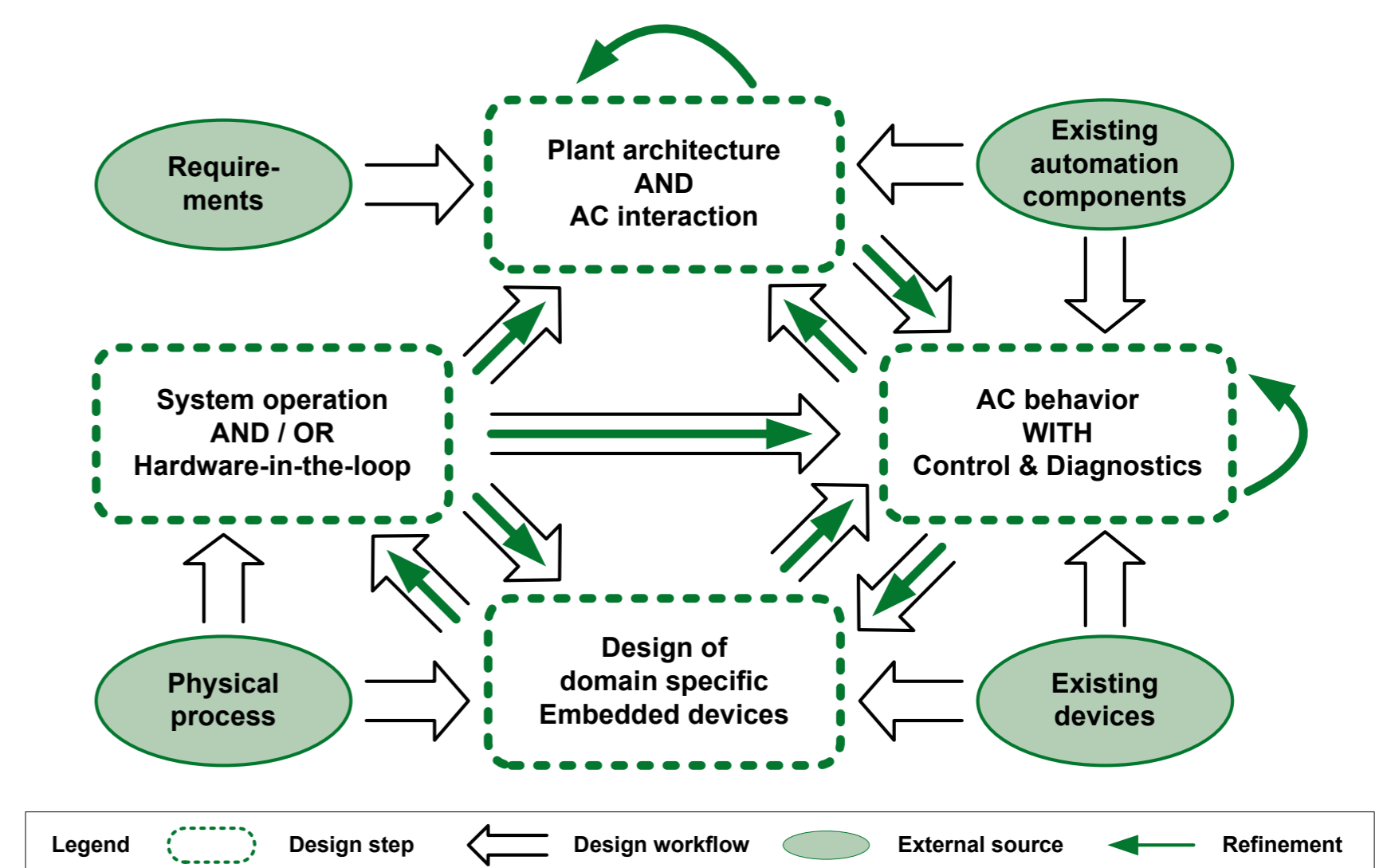
## Objectives

1. Formal framework for model-driven component-based development of embedded control
2. Easy understandable modelling method applicable for domain experts
3. Integrated modelling of diagnostics
4. Integrated simulation and verification of systems design
5. Automatic, embedded platform specific code-generation for the deployment of control software to heterogeneous automation hardware
6. Proof-of-concept demonstration on real-world applications by project partners in the application domain of robotics, manufacturing and power generation

## Approach / Method



*Automation Component*



*Design Flow*

## Contact

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## Project Facts

*Proposal No.*

FP7-ICT-2007-1-211448

*Thematic Priority*

ICT – Challenge 3 – Components, systems and engineering

*Objective*

Embedded Systems Design