



## Risks – Requirements – Regulatory Management

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## Training to the tool ControlBuild (Ref TO108)

### Duration:

2 days

### Presentation :

ControlBuild is an easy-to-use tool that has a large number of features to discover: production of operational parts models by simulation and validation of automated systems. These two days of training will allow future users of ControlBuild Validation to explore the different possibilities of the tool and to gain sufficient autonomy for a more extensive use of the software for all types of projects.

### Goal :

Successfully complete operative part simulation applications with the ControlBuildValidation tool

- Discover ControlBuild
- Manipulate the software by performing an example of modeling and simulation
- Component creation
- Introduce the use of simulation scripts

### Concerned public :

People working on the validation process:

- Project managers,
- Architects,
- System or software engineers,
- Automation specialists,
- Testers ...

### Prerequisites:

Have knowledge of automated systems, a good understanding of object approaches and knowledge of the languages of IEC 61131-3 standard.

## Content:

- ControlBuild overview
  - Presentation of the solution, strengths and weakness, project and application
  - Creation of model, editor of composite elements
  - Graphic editors, low voltage editor
  - Simulation and visualization
- Development methods
  - Top-down approach, bottom-up approach, combined approach
- Creating an application
  - Host Editor
  - Application example
  - Creation of a project
  - Development of an application
  - Elementary components
  - Composite components
- Additional tools
  - Updated assembly, scenario
  - Event trace, import / export tool for automaton inputs and outputs

## Educational, technical and coaching resources implemented:

Participatory pedagogy alternating the presentation of formal presentations illustrated with a documentary support with interactive exchanges and discussions around case studies and tutorials.