

SE-CSM-02

Cameo Systems Modeler (or MCSE) & SysML Basics

Information and Agenda

training@samares-engineering.com

Last update: **September 22**

- Learn the basic concepts of the SysML notation
 - Know the various diagrams and their interest
 - Understand the notions of definition and usage
 - Based on SysML 1.6 specification – main used concepts
- Learn how to edit SysML elements and diagrams with Cameo Systems Modeler (CSM) or Magic Cyber Systems Engineer (MCSE)
 - Create/Update/Delete/Copy & Paste...
 - Based on CSM 2021x Refresh 2
- Learn how to work collaboratively with TeamWork Cloud (TWC)
 - Lock/commit/update/create branch...
 - Based on TWC 2021x Refresh 2



Teamwork Cloud

- Prerequisites:
 - None
- Operational objectives – at the end of the training the participants will be able to:
 - Recognize the main concepts and diagrams of the SysML notation and state how they can support the system model development
 - Create a system model using Cameo Systems Modeler with creation, update of SysML elements and diagrams
 - Use TeamWork Cloud to work collaboratively (Lock/commit/update/create branch)
- Target public:
 - Systems Engineers, Architects, Designers and Project Managers who want to use CSM in their team



- Duration:
 - 1 Day (7 hours), can be split into 2 half-days of 3,5 hours
- Sanction at the end of completed training:
 - Attestation of completed training with assessment of the objectives
- Training methods used:
 - Lectures, demonstrations with the tool (by the trainer), discussions
- Evaluation methods used:
 - Questionnaires to check the acquisition of essential notions
- Required materials:
 - Each trainee is required to get internet access to connect to the training platform. No installation of tools is required.



- The supports are in English
 - The instructor can present in English or in French, according to the target public
- Location:
 - In person, in Blagnac or Toulouse (France)
 - Intra-company training on site is possible with extra cost for travel expenses
 - This training is also available as a distance training, using Microsoft Teams or Zoom
- Delay:
 - 2 weeks minimum before the training starts, in order to organize it with the right trainers
- Our training rooms are accessible for people with reduced mobility
- This training can be adapted for other disabilities
 - Provided we are given notice at least 2 weeks before the start of the training



- Price (excluding taxes):
 - 650 € per trainee
 - For intra-company pricing, please contact us directly
- Possible instructors:
 - Ida Electra Dahl, mail: ida-electra.dahl@samares-engineering.com
 - Raphael Faudou, mail: raphael.faudou@samares-engineering.com
 - Mourad Chibane, mail: mourad.chibane@samares-engineering.com
 - Ankur Ramanan, mail: ankur.ramanan@Samares-Engineering.com
- For more information including intra-company pricing, please contact us at:
 - Mail: training@samares-engineering.com
 - Phone: +33 610 535 044
 - Web: Samares-engineering.com
 - Address:
2 av. escadrille Normandie Niemen, Ethics Biotope
31700 Blagnac, France



Introduction

- Participants round table
- Recall of goals and rules

Overview of SysML

- Presentation of the various diagrams
- Main principles of the notation
- Quiz

Introduction to the CSM tool

- Creation of a project
- Edition of elements and diagrams
- Quiz

Working on a project collaboratively with TWC

- Lock elements and diagrams, update and commit, create tags
- Quiz

Basic definition of a system – CSM + TWC

- Problem space and solution space
- Logics in the use of SysML diagrams
- Relationships between diagrams
- Quiz

Perspectives (advanced CSM courses)

