

## Course Description

### Advanced IT Systems Modeling

The objective of this course is to provide thorough knowledge of MEGA's modeling methodology and best practices necessary for Application Architecture and IT Strategy Planning projects. Its content has been developed through the experience gained by MEGA consultants on numerous projects of this type and provides a composite of responses to problems encountered in a broad range of sectors (Banking, Insurance, Industry, Services etc.).

**Reference**  
ITAM

**Length**  
2 days

**Public**

- IT architects (functional and technical)
- IT project managers
- Methods managers

**Prerequisites**  
MEGA Architecture

### Expected benefits

- Understand operational aspects of the recommended approach for modeling IT application and infrastructure components.
- Identify and overcome the main pitfalls encountered during application and/or IT strategy planning projects.
- Be able to manage application architecture projects via IT strategy planning or a Service Oriented Architecture approach (SOA).
- Provide answers to most frequently asked questions and solutions adapted to different contexts and objectives, such as IT system regionalization, software package deployment the use of frameworks, etc.

### Course Content

#### Defining a target for the IT System

- IT target architecture build criteria
- Use of Frameworks
- Processing architecture
- Flow architecture

#### Mapping objectives and operation

- Objectives, definitions and vocabulary
- The mapping approach and its adaptation to the company context

- Mapping project optimization
- Main pitfalls and associated responses

### **IT Strategy Planning approach (IT City Planning)**

- Analysis of legacy system (“As Is”)
- Impact of deploying software packages
- Defining the Roadmap to a “To Be” system
- Maintaining or adapting the IT development plans

## **Lab exercises**

During this course, the instructor led lab exercises will provide participants with the practical experience they need to conduct IT Architecture modeling projects. Using a real example, problems typically encountered will be examined and possible solutions will be discussed.

## **Seminar organization**

The course alternates theoretical explanations of methods to be implemented, presentations of associated tool functions, and practical exercises that allow participants to apply the theory learned on a realistic case.

The trainer for this course is an experienced consultant who has successfully led modeling projects and will be able to answer your questions on MEGA’s IT Systems modeling methodology.