

## Service-Oriented Architecture (SOA)

**SII-298    5 Days (35 Hours)**

### Description

This Training is designed to provide an understanding of the mechanisms of service-oriented architecture. This includes the technical design of SOA-based architectures and service-oriented solutions to business problems. This training provides an overview of the techniques associated with IS Architecture and Urbanization. It is based on concrete examples. and allows the identification of risks and understanding how to avoid them

### Who is this training for ?

#### For whom

IT Project Manager, IS Urban Planner, IS Architect, IT Manager, Developer

#### Prerequisites

None.

### Training objectives

- Master the main rules of the urbanization of an information system.
- Identify the issues and objectives linked to this approach.
- Understand the different architectures.

### Training program

#### Comprendre les concepts de base

- The urbanization of the information system
- Definition and vocabulary.
- The urbanization plan serving the master plan
- Understand the challenges for the IS and the company.

#### Conduire une démarche d'urbanisation

- Panorama of typical approaches: Club-Urba, TOGAFF, Zakman.
- Define the main phases of an urbanization approach
- Identify the success factors
- Limit risks
- Define roles and responsibilities.

### Les référentiels d'entreprise

- Reference data and enterprise repositories.
- Data management: MDM and ETL.
- Business intelligence: Datawarehouse and datalake.

### Les architectures métiers

- Identify business processes.
- Automate business processes.

### L'urbanisme fonctionnel

- The division into zones, districts, blocks.
- Main town planning rules.
- Modeling of exchanges.

### Technologies et Architectures applicatives

- Types of architecture: SOA, EDA and CEP
- Integration of business applications: EAI and ESB.
- SaaS applications, private clouds and IT 'business'.