

BASICS OF ENTERPRISE AND SOFTWARE ARCHITECTURES

Descrizione del Corso

Perhaps more than other industries, engineering for energy has become an increasingly complex process with demands for digitalisation and interconnected services and products in increasing. Thus, a fundamental understanding of utitilies applications and energy digitalisation is essential for all systems engineers working in this domain.

The course provides the basics of energy systems, power grid and energy market operation principles, processes, models and trends, hence allowing participants to understand the development of the energy sector in the past years and in the near future. It also allows to understand the reasons and impacts energy systems architectural changes.

Risultati di Apprendimento

• Gain a brief and practice-oriented overview of the basics of the Enterprise Architecture and related topics.
• Gain new insights to generate your own ideas.

• Understand and apply best practices that allow productive discussion of problems with other suppliers (including non-electrical utilities).
• Understand how to structure one’s business in an effective yet standard compliant way.
• Define the business and IT-applications landscape so that you, your management and your suppliers (also new ones) can understand it.
• Apply the “out-of-TSO/DSO-box-thinking”

Partecipanti

• Project Managers
• System Operators
• Software Engineers
• Product Owners

Attendees must have basic training in Systems Engineering (e.g. SE Foundations).

Prezzi del Corso

Regular: 800 CHF

Durata

1 giorno

Istruttore



Dmitri Tchoubraev

Dr. Dmitri Tchoubraev has had different leading roles over the last 20 years in Swiss industry. He was responsible for the introduction of Swiss Ancillary Market services, engineering and operation of numerous business-critical systems of

Swiss Transmission Grid National Control Center, establishing of Enterprise Integration and Solution Architecture at Swiss TSO.

Today he lectures, consults and mentors on the Power Utilities System Architecture, Energy Digitalisation and System Integration. His experience includes multiple applications of Project Management and Architectures Development in the area of complex heterogeneous IT System Landscapes. He also teaches Utilities IT Systems and Substation Automation Systems at the Technical High School Fribourg, Switzerland and was an Assistant Professor on Power Utilities Systems and Processes for 10 years, at the University of Aerospace Instrumentation, St. Petersburg, Russia.

Dr. Tchoubraev has more than 20 years of experience as project and program manager and as operational manager in development, engineering, integration and operation of complex industrial systems for both government and private sector industries.

Dr. Thoubraev is author and co-author of 30 papers and author of the book "Information Technologies for Electromechanical and Power Systems".

In addition, he is specialised on the System Design based upon Mini- and Micro-Services and optimisation of Industrial Operational Environments using Design Thinking and Usability approaches.