

Utility Management Training

MODULE 3:

Asset Management and Investment Planning (AMIP)

Institutional Partners



AMIP Module Team

Module Development Partner:
Association for Water Technology and Sanitary Engineering (UTVSI), Serbia

Trainers:
Aleksandar Sotic, UTVSI team

Competence Partners:
Utility of the Future, Association for Water Technology and Sanitary Engineering (UTVSI), Hydrocomp, EDAMS Technology

Thematic Support and Materials:
D-LeaP Asset Management Program, EDAMS Technology



AMIP Module Logistics

Format and Venue: One-week residential course, Belgrade, Serbia (if pandemic situation allows)

Module timeline: November 2021 – January 2022

Introductory webinar for the module: November 2021

Core training week: One week in the period November 2021 – January 2022



AMIP Module Outline

The **Asset Management and Investment Planning** module (AMIP) aims to build in the participants a systematic knowledge on asset management and utilize that knowledge for investment planning.

The introductory module presents **Asset Management (AM) Fundamentals** – what it comprises of it, why it is important and how it links to other utility functions. Straight after the introduction the module delves into the Information Systems that help utilities manage their assets – Asset Registers, GIS, CAMS, including their key functionalities and some practical advice on how to build asset data models.

Section 3 reflects on the **Elements of Networks and Other Assets** – pipes, nodes but also compound elements such as reservoirs and pumping stations, their configurations and connectivity. The topic of how such data is collected, geo-referenced and organized is the subject of Section 4 – **Field Data Capture and Validation**.

Once data is collected and assets are visualized and described, the module shifts its attention into

Asset Condition Assessment which links technical to operational condition.

The next section of the module, **Maintenance Management**, aims to introduce further practicality with particular attention to the duties of network and energy managers who need to differentiate between “operations” and “maintenance”. Specific emphasis is placed on the concept of preventative maintenance and techniques such as maintenance requests and workflow management are introduced.

The last two sections of the AMIP module deal with some non-technical aspects of AM. Section 7 covers the **Financial and Regulatory Aspects** including topics such as asset valuation, accounting treatment of public assets and depreciation methods. Last but definitely not least, the module brings some insights into **Investment Planning**. Module 8 delves into the various investment drivers – asset renewal, compliance, service coverage and efficiency, but also outlines the role of other functions in the process of investment planning – operations, customer service, finance, IT.

Competence Partners



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