



L4MS

Smart logistics for manufacturing

D2.5

Skills and training methodology version 1.0

Confidential

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Abstract

This report provides an overview of the activities and results related to Task 2.5, Skills Observatory and Training methodology. The second year into this task has focused in the creation of trainings modules and the development of two support tools that aim at facilitating the use of both the marketplace and OPIL. The training modules cover topics such as IoT in industrial applications, OPIL, Material Handling Systems, AVGs and mobile robots, production planning and production control, marketplace, etc. Training sessions and webinars have been provided to companies and organizations interested in the project and its open call, as well as to the application experiments selected. Furthermore, this deliverable also reports on the development of two support tools, namely, Request for Offer and the **OPIL online documentation** system. Both tools have the aim of facilitating manufacturing SMEs, System Integrators and Technology Providers in using the marketplace and OPIL.

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Notification

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Executive summary

This deliverable provides an overview of the trainings that have been developed and provided during the first round of Application Experiments of the L4MS project. The deliverable is structured in five chapters.

Chapter 1 presents a short summary of the findings of the Skills Observatory and the Training Methodology implemented during the first year of the project. The Skills Observatory determined which skills needed to be supported through trainings, while the Training Methodology proposed how to structure those identified skills into a set of objectives and training structure to guarantee the successful knowledge transfer for implementing automated intra-factory logistics systems based on the OPIL platform.

Chapter 2 presents the design method used for creating the trainings. First, the Training Methodology was translated into specific requirements. These requirements were later used to perform the detail design of the training modules. The contents of the trainings were produced by performing workshops and holding interviews with project partners to gather relevant project content and agree on the Table of Contents of each training, and later curating technical information of OPIL and performing literature reviews. Figure 0 presents the structure of the training modules developed.

Chapter 3 presents a detailed description of each one of the trainings developed. For each training, a table is provided with information about its objectives, its content description, number of slides, technology absorption cycle, and partners involved in its development. The chapter finishes with a short description on how these trainings will be integrated in the marketplace.

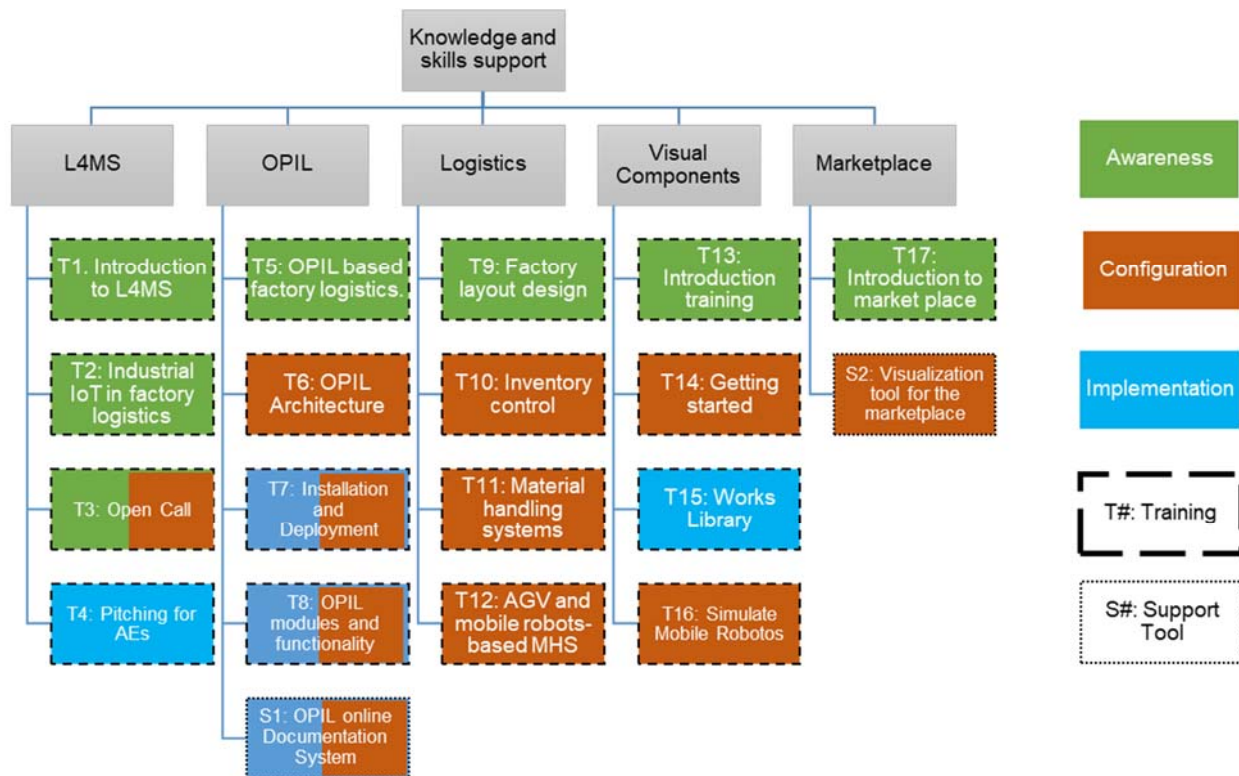
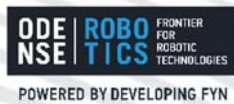


Figure 0: Overview of trainings and support tools.

Chapter 4 presents a description of two support tools that have been developed in order to help manufacturing SMEs and tech providers in adopting the two main technologies developed in the L4MS project, namely, the marketplace and OPIL. The **Request for Offer** tool -to be integrated into the marketplace- supports manufacturing SMEs in providing System Integrators with relevant data of the factory floor for creating a first ROI analysis to determine the feasibility of automating the company’s intra factory logistics. The **OPIL online documentation** system -meant for manufacturing SMEs, System Integrators and Developers- provides information on how to deploy, configure and adapt OPIL.

Chapter 5 presents an overview of the activities to be performed during the 2nd Open Call for Application Experiments. The focus is set on improving the existing trainings by performing evaluations and surveying the application experiments to determine if there are remaining skill gaps that need to be filled in with new training material.

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