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Online Training Materials

Work Package 7

Education and Training

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Authors : Sara Varão Fernandes

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DOCUMENT HISTORY

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EXECUTIVE SUMMARY

TABLE OF CONTENTS

1	ONLINE TRAINING MATERIALS.....	4
1.1	Website	4
1.2	Training Materials	4
1.3	Online Training Materials.....	4
2	ONLINE TRAINING COURSES.....	6
3	YOUTUBE VIDEOS ON THE TECHNOLOGIES	7

1 ONLINE TRAINING MATERIALS

1.1 Website

Mari4_YARD website will continue online, and it will be the repository for the training materials. The Link is <https://www.mari4yard.eu/>. And The website has a tab for training and didactic factories:

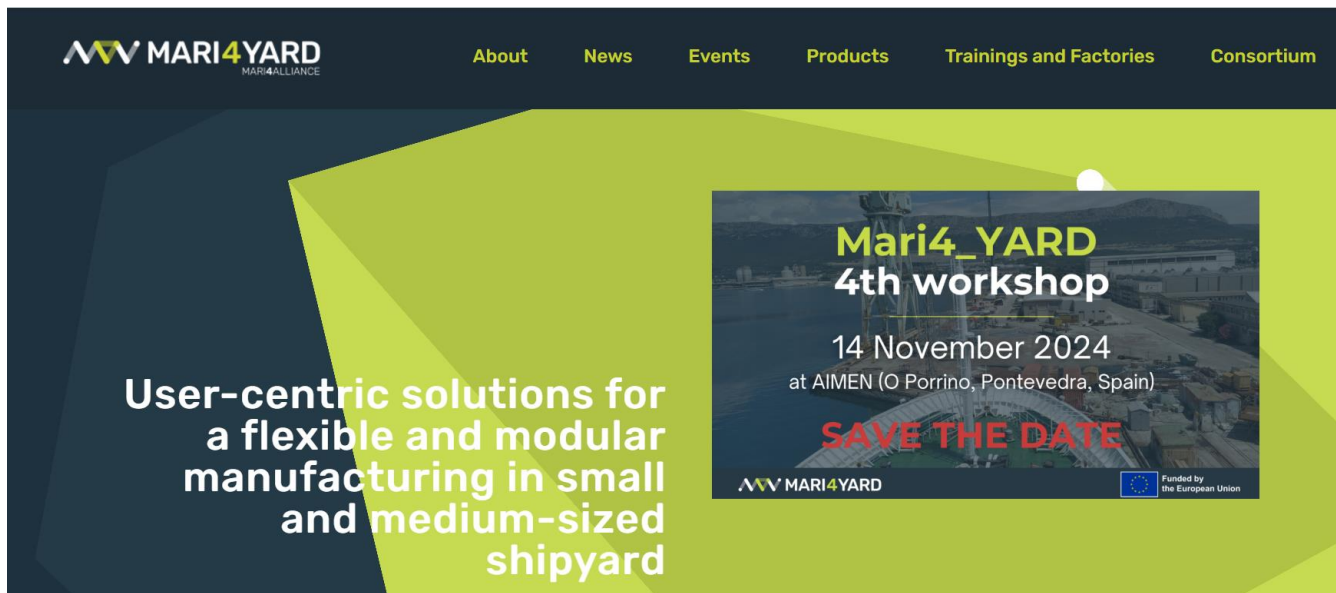


Figure 1. Mari4_yard Website with training tab

And here it is possible to find all the information regarding the developed training courses and the training materials.

1.2 Training Materials

The training materials were developed under task 7.1 and all the information is well reported in the deliverable 7.1 Training Plan and the deliverable 7.5 the update of the previous with the description of all the activities developed during the Mari4_yard project.

1.3 Online Training Materials

The online training materials are easy to find and use in the Mari4_yard project website.

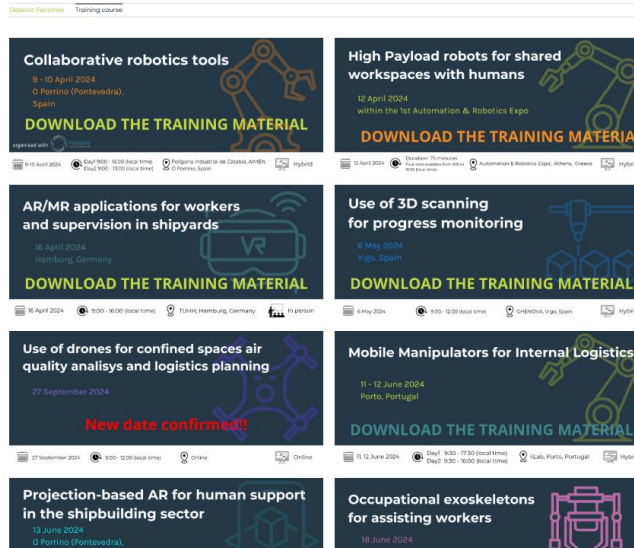


Figure 2. Mari4_Yard Website Online Training Materials

For each course, the course information is available as well as the trainer’s identification and mini bio.

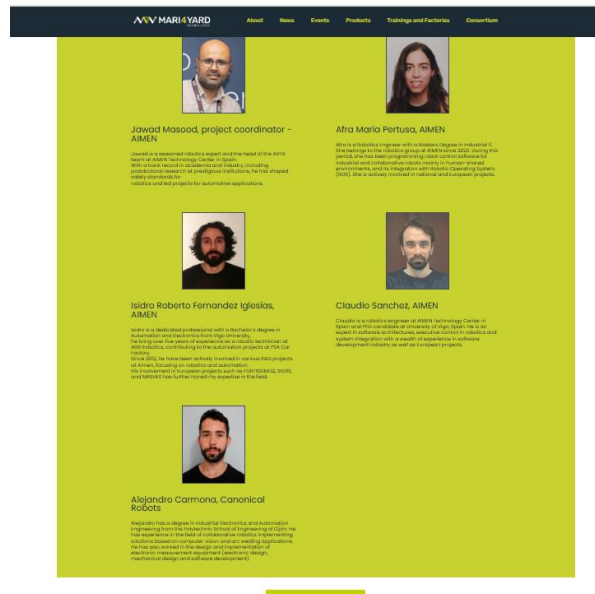


Figure 3. Training Course information online

All the Materials are available for download:

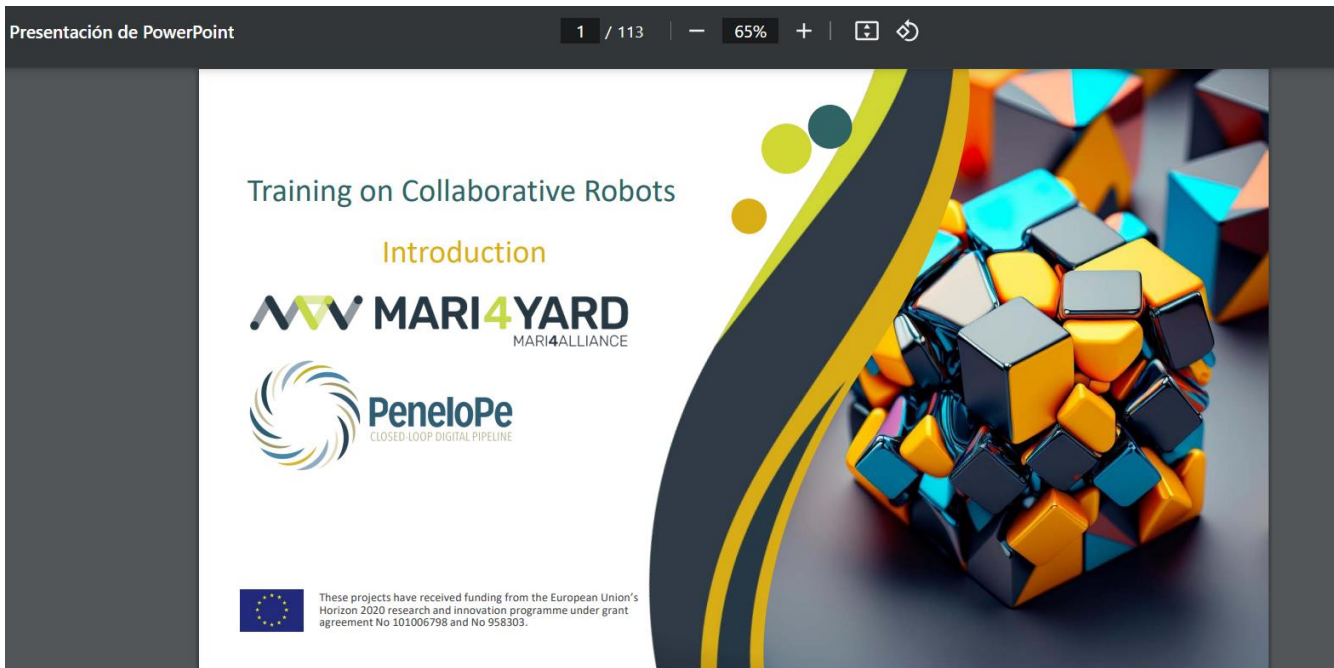


Figure 4 - Training Materials for download

2 ONLINE TRAINING COURSES

Mari4_yard website has 8 different training courses materials online on its website:

1. Collaborative Robotics Tools
2. High Payload robots for shared workspaces with humans
3. AR/MR applications for workers and supervision in shipyards
4. Use of 3D scanning for progress monitoring
5. Use of drones for confined spaces air quality analysis and logistics planning
6. Mobile manipulators for internal logistics
7. Projection based AR for human support in the shipbuilding sector
8. Occupational Exoskeletons for assisting workers

And for each one the detailed information is available and also the materials for download.

1. Collaborative Robotics tools -
https://www.mari4yard.eu/avada_portfolio/robotics/?portfolioCats=41%2C40 ;
https://www.mari4yard.eu/wp-content/uploads/2024/11/Enabled_collaborative_robotics_AIMEN.pdf
2. High Payload robots for shared workspaces with humans -
https://www.mari4yard.eu/avada_portfolio/high-payload-robots-for-shared-workspaces-with-humans/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/M4Y_External_Training_High_Payload_Robot_LMS.pdf

3. AR/MR applications for workers and supervision in shipyards - https://www.mari4yard.eu/avada_portfolio/ar-mr-applications-for-workers-and-supervision-in-shipyards/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/M4Y_TUHH_ext-Training_Instructions_Blanked.pdf
4. Use of 3D scanning for progress monitoring - https://www.mari4yard.eu/avada_portfolio/use-of-3d-scanning-for-progress-monitoring/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/240506-External-training_3D-scanning_GHENOVA.pdf
5. Use of drones for confined spaces air quality analysis and logistics planning - https://www.mari4yard.eu/avada_portfolio/use-of-drones-for-confined-spaces-air-quality-analysys-and-logistics-planning/?portfolioCats=41%2C40
6. Mobile manipulators for internal logistics - https://www.mari4yard.eu/avada_portfolio/mobile-manipulators-for-internal-logistics/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/Mari4_YARD_external_training_Mobile-Manipulator_INESC-TEC-1.pdf
7. Projection based AR for human support in the shipbuilding sector - https://www.mari4yard.eu/avada_portfolio/projection-based-ar-for-human-support-in-the-shipbuilding-sector/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/Mari4_YARD_Projection_-based-AR-for-Human-support-in-Shipbuilding.pdf
8. Occupational Exoskeletons for assisting workers - https://www.mari4yard.eu/avada_portfolio/occupational-exoskeletons-for-assisting-workers/?portfolioCats=41%2C40 ; https://www.mari4yard.eu/wp-content/uploads/2024/11/Exoskeletons_ExternalTraining.pdf

3 YOUTUBE VIDEOS ON THE TECHNOLOGIES

The Mari4_yard technologies are also available in the YouTube channel in the form of several videos https://www.youtube.com/results?search_query=mari4_yard

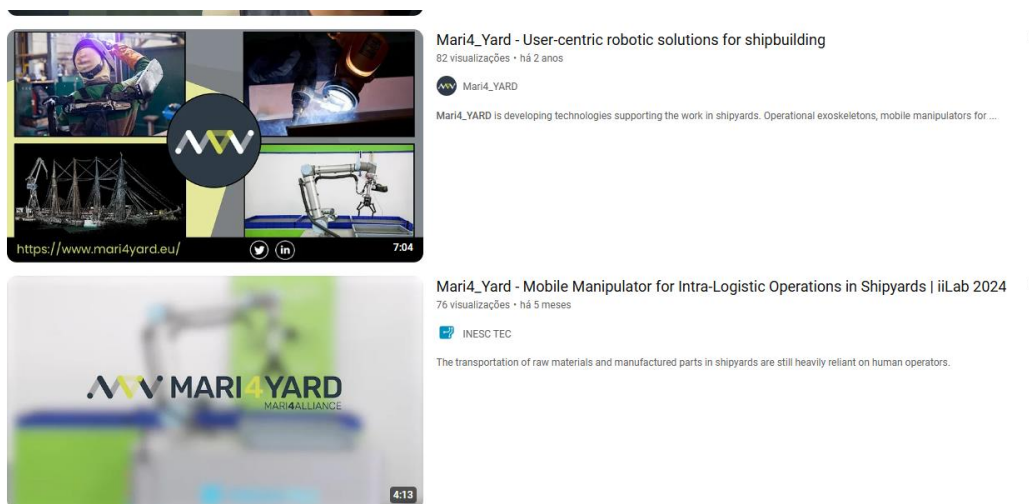


Figure 5. Samples of Youtube videos

The training organized with other projects are also promoted in the corresponding project's media increasing the reachability, for instance the collaborative robotics training organized together with Penelope Project are also available in the Penelope Project website and You Tube channel (as an example, [Collaborative robot tools - Part 1 - YouTube](#)).

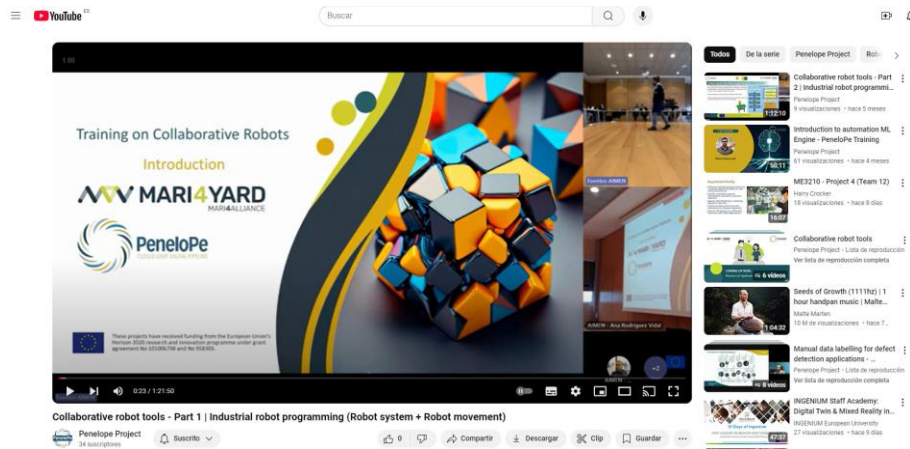


Figure 6. Capture of Penelope project You Tube channel (collaborative robotics training)