

ARVETI4.0 –

Project partner:



IES POLITECNICO de VIGO

LTTA2: Examples of using VR-glasses in education:

Simulation of virtual Plants or Machines for automation and learning how to program these systems



TASK: Learn how to use the software Machines Simulator VR with virtual Plants or Machines

Materials: Meta/Oculus-Quest 2 headset, laptop with Machines Simulator VR software, Oculus Link and Steam installed, cables, screen,

Instructions:

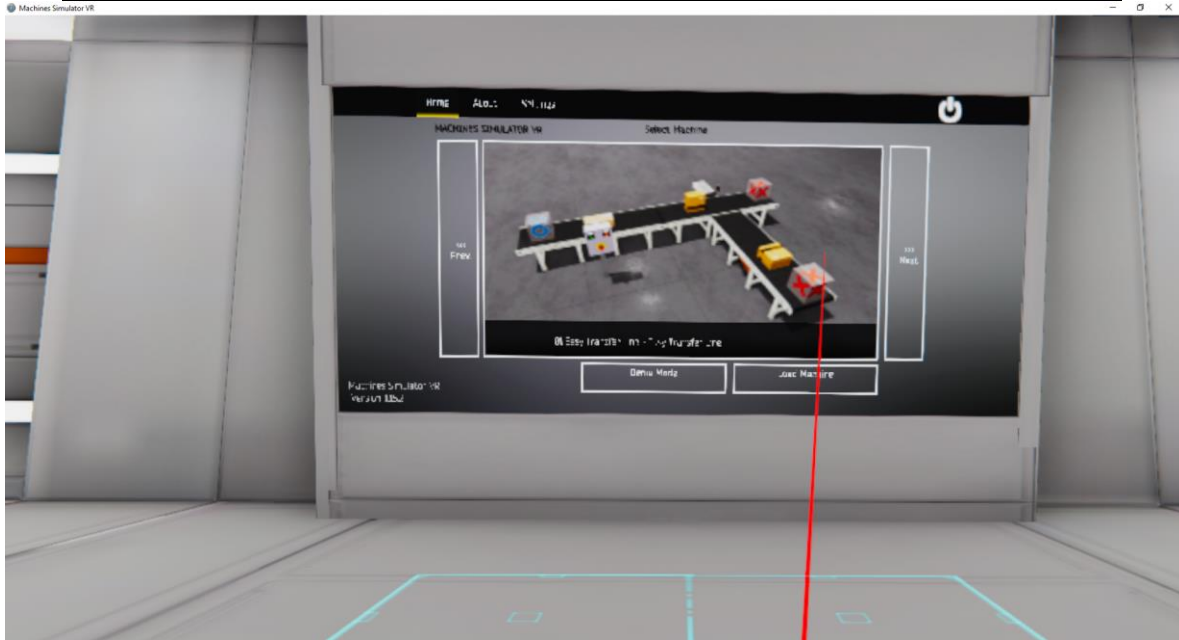
I. Enter in a virtual Plant or Machine of the VR simulator with the headset, explore and discover the right way to operate with the Plant or Machine.

Step 1	Connect the Meta-Quest 2 headset with the computer, via Quest-Link with the laptop. You could use air-link or cable-link.
Step 2	Start the software Machine Simulator VR.

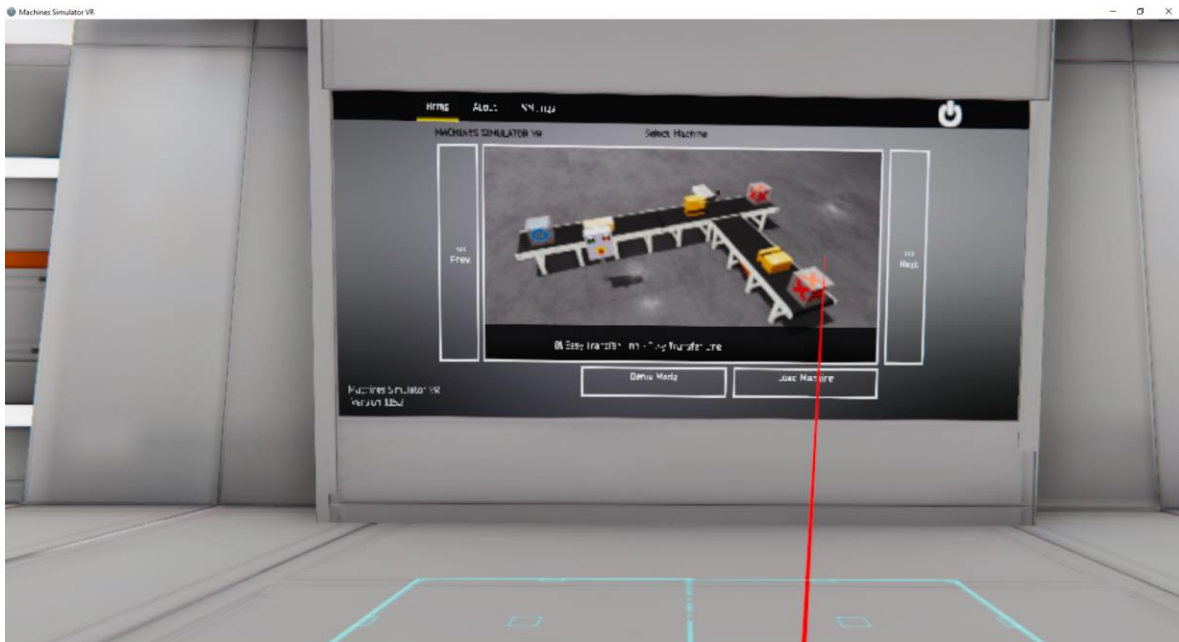


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Step 3	In the simulator complete the demonstration program in the main room, reading the panels and learning how to use the controllers in the software.
Step 4	Go to the main screen in the hall and choose one Plant or System. Start the system in Demo Mode.



Step 5	Start the system with the green Start button.
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Step 6	Study the behaviour of the systems and the IO signals with the panel of your left hand.
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Step 7	Test that you can interfere in the signals with your virtual hands.
Step 8	Stop the system with the red Stop button.
Step 9	Quit the Machine.

