

ARVETI4.0 –

Project partner:



IES POLITECNICO de VIGO

LTTA2: Examples of industrial applications of VR headsets:

Validation of CAD designs in virtual environments with Siemens NX


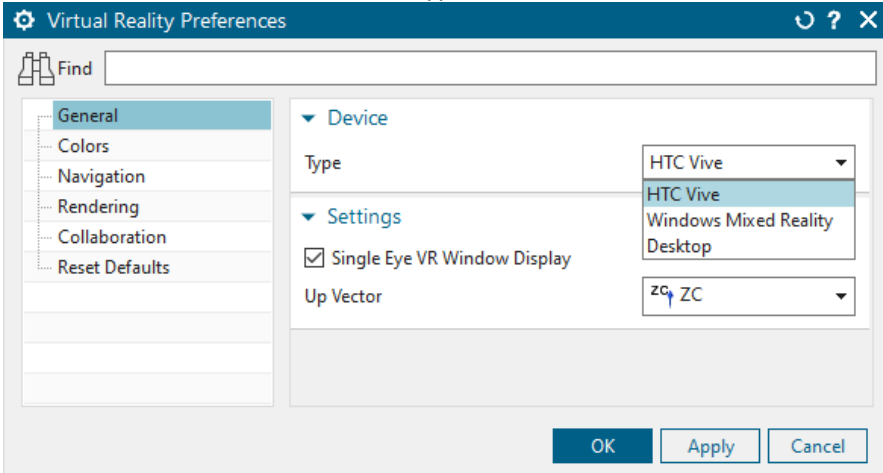


TASK: Validate the design of a machine or cell using Siemens NX CAD software

Meta/Oculus-Quest 2 headset, laptop with Siemens NX CAD software, Oculus Link and Steam installed, cables, screen


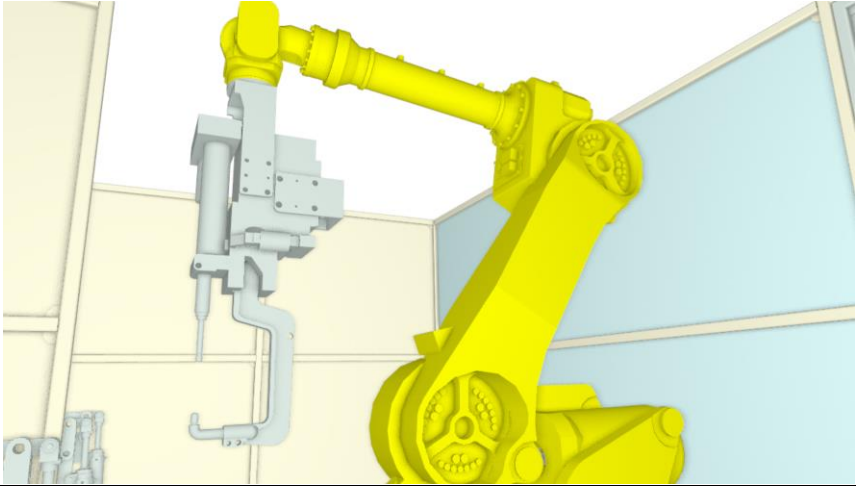
Instructions:

I. Enter in a virtual environment of NX software with the headset, explore and interact with the CAD design.

Step 1	Connect the Meta-Quest 2 headset via Quest-Link with the laptop. You could use air-link or cable-link.
Step 2	Start the software Siemens NX and open the CAD file with the design to validate.
Step 3	<p>Configure Virtual Reality preferences in Siemens NX. For version 1965:</p> <div style="text-align: center;">  VR Preferences </div> <ul style="list-style-type: none"> - In View menu, select - In General, select HTC Vive as Type Device  <ul style="list-style-type: none"> - Apply



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<p>Step 4</p>	 <p>Go VR</p> <p>Select to start the VR environment</p> 
<p>Step 5</p>	<p>Move around your design.</p>
<p>Step 6</p>	<p>Measure some distance</p>
<p>Step 7</p>	<p>Use the section tool to see inside your design</p>
<p>Step 8</p>	<p>Remove some part from the assembly.</p>



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