eit Manufacturing

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UN.I.CO. TeleNuggets Robotics

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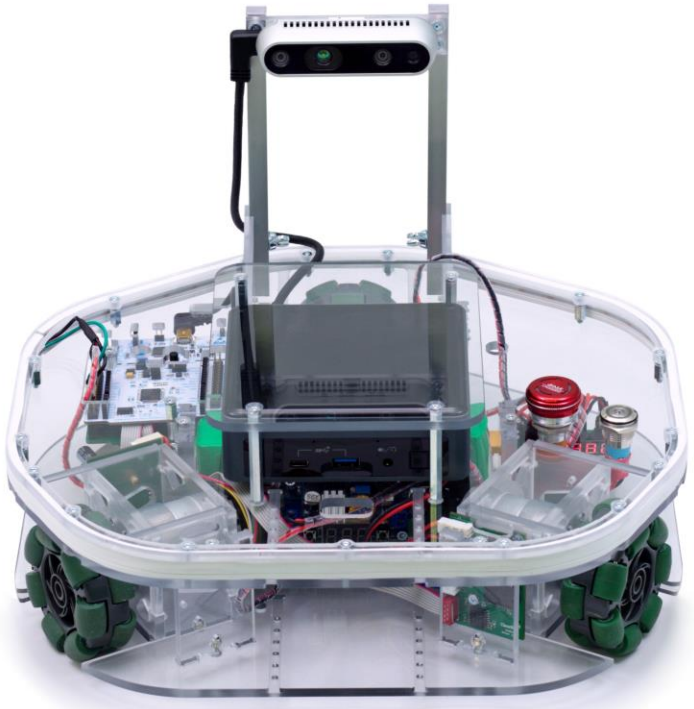
UN.I.CO. introduction

- UN.I.CO: TeleNuggetsRobotics provides innovative educational content for EIT Manufacturing
- E.DO Robot and RoboTont are flexible, open-source robotics platforms, used to stimulate creativity and participation inside and outside a classroom setting
- UN.I.CO. delivers hands-on, interactive experiences to encourage participation, cooperation and inclusion among students
- UN.I.CO. especially focuses on aiding teachers and trainers through teaching nuggets, in:
  - ✓ applying new methodologies while delivering skills in key-areas such as STEM subjects, robotics, entrepreneurship skills and manufacturing
  - ✓raising the awareness of the digital transformation in manufacturing and positively affects the industrial landscape

RoboTont by University of Tartu



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e.DO by Comau Spa

UN.I.CO. Goals

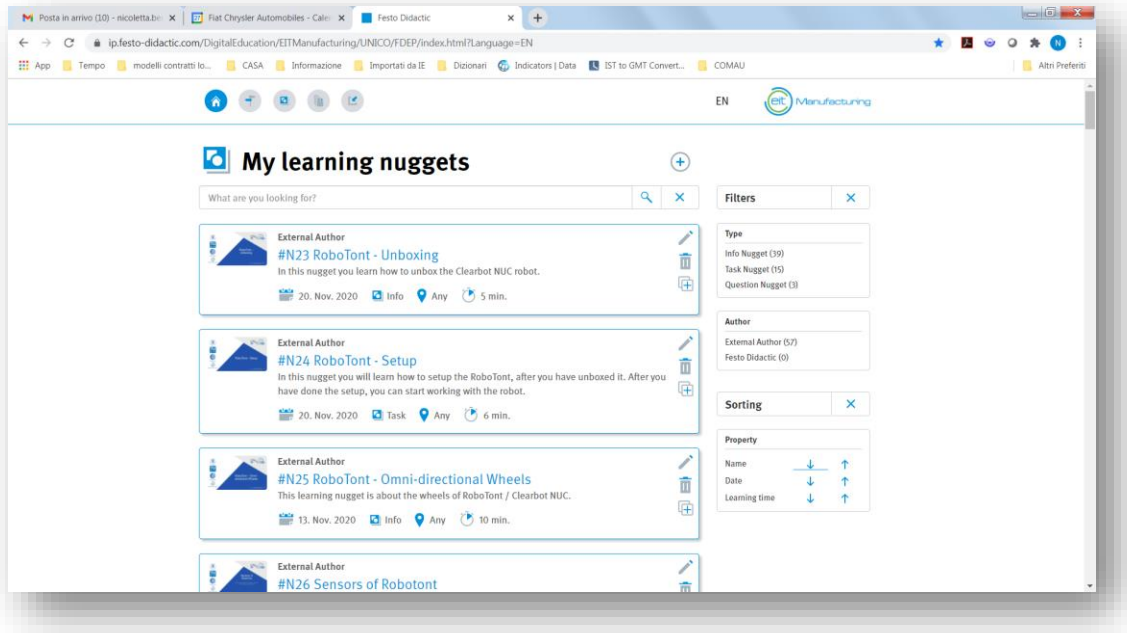
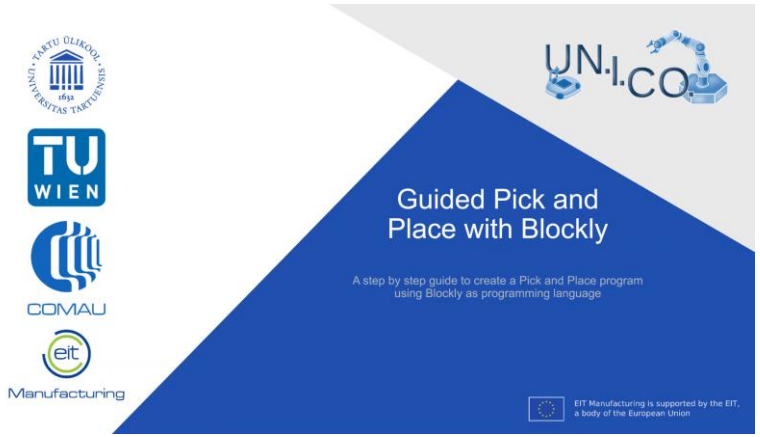
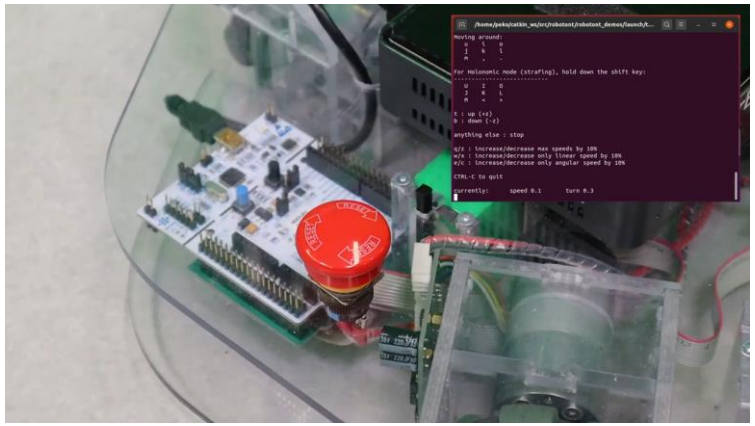
- Create integrated university-level and secondary schools contents for technology adopters in manufacturing in the form of teaching and learning nuggets
- Build a better understanding of new opportunities through human-machine collaboration and innovative software frameworks
- Raise the awareness of the digital transformation in manufacturing and to positively affect the current industrial landscape, by attracting and developing tomorrow's manufacturing talent
- Identify potential technology gaps (i.e. certain sensors, software capabilities, end effectors, etc.) in the existing open-source hardware to establish key development

UN.I.CO.A project to bridge the Gaps

- UN.I.CO. TeleNuggets Robotics is engaging and inclusive
- It helps to reduce the gender digital divide
- Applying robotics UN.I.CO removes barriers to full participation in the world of work
- Project focused to strengthen the skills of the female gender in robotics and digital, areas where women were not very present until a few years ago

UN.I.CO. Contents Examples

GLP Platform from which Robotics Nuggets contents are delivered



- Video samples