



ROBOTIC ■ SPACIAL ■ EDUCATION

CLOUD ROBOTICS SIMULATION PLATFORM

CLOUD ROBOTICS SIMULATION

EDUCATION



LOGISTICS



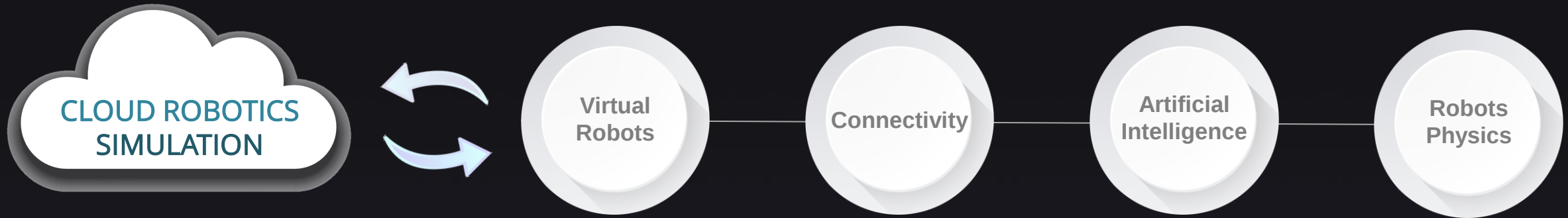
INDUSTRY 4.0



Cloud Robotics Simulation Environment as an innovative digital pathway to make easier for learners and professionals to gain NEW KNOWLEDGE AND TO DEVELOP SKILLS AND ABILITIES recognized by employers for the jobs of the future.

Cloud Robotics Simulation Platform as a Proving Ground for Rapid Prototyping
Real-World Robotics Applications

CLOUD ROBOTICS SIMULATION PLATAFORM



The value chain of Cloud Robotics Simulation:

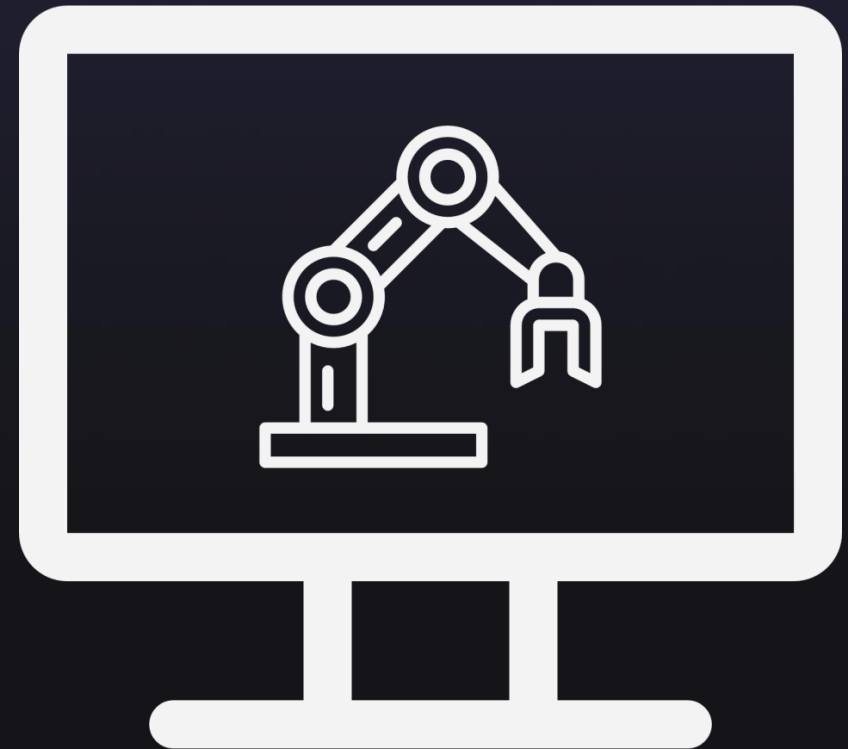
Provider delivers a cloud environment to develop, test, and deploy robotics applications; these applications use intelligent services from the AI provider, making use of the browser based applications to support a powerful, user friendly, integrated development platform that can significantly raise productivity.

The technologies behind cloud robotics:

- IoT Experiments Robotics, Simulation, Cloud Computing and Cloud Edge Technologies
- Computer Vision, Artificial Intelligence Technologies
- Hardware (Robotic Arms, AMRs) and Connectivity (IoT and Wi-Fi 6 Technologies)

EDUCATION

Universal access
to virtualized robot!
Drops enhances the design,
development,
and launch of real-world
robotic applications!



EDUCATION: BRINGING ROBOTICS TO THE CLASSROOM: CASES

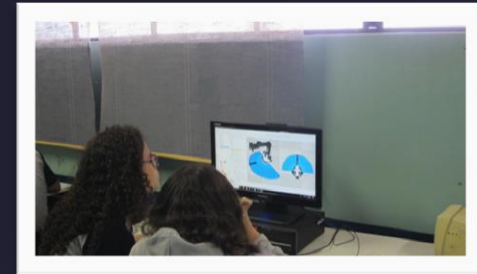
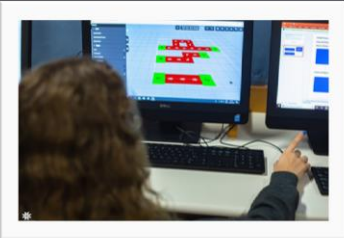
K-12

.... SIMULATION AS A TESTBED FOR AGILE LEARNING PRACTICES

TVET



Virtual simulation enhances the design, development, and launch of real-world robotic applications!

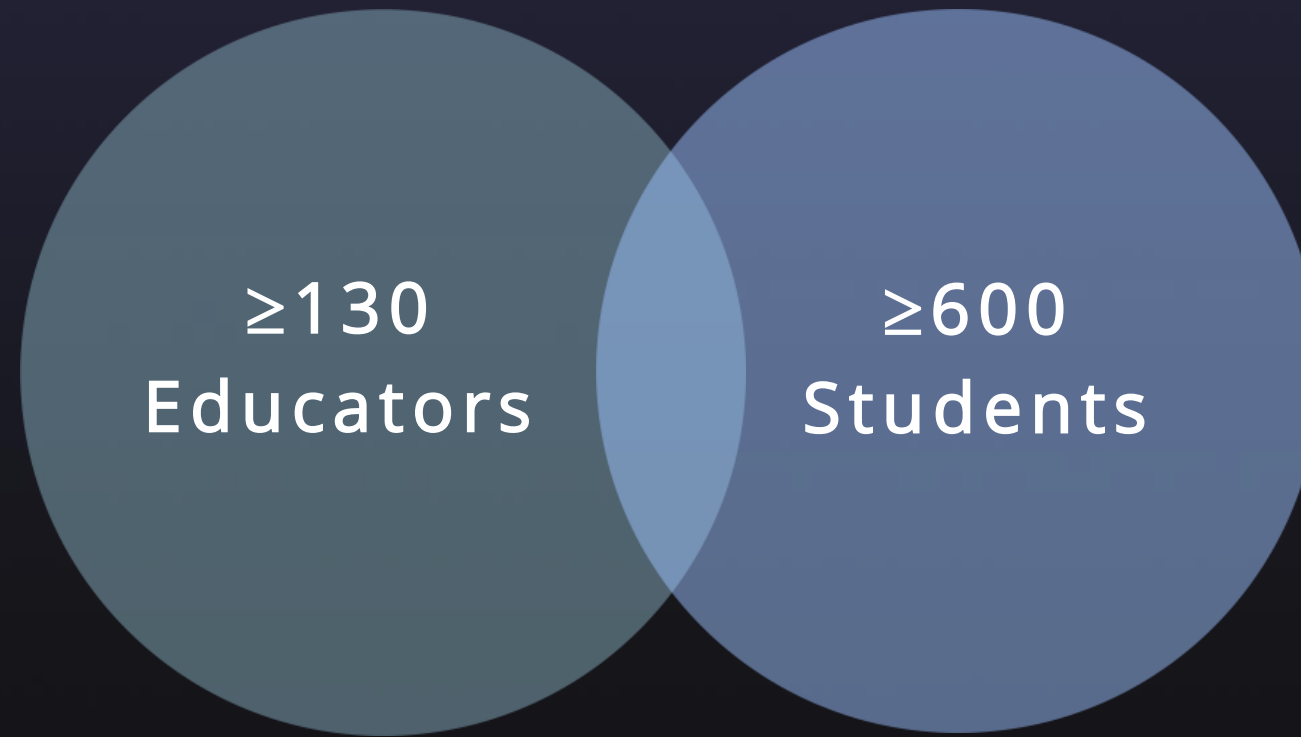


TVET EDUCATION: INNOVATIVE DIGITAL PATHWAY!



Cloud simulation environment as a WEB ROBOTIC ENVIRONMENT as an innovative digital pathway to make easier for learners and professionals to gain NEW KNOWLEDGE AND TO DEVELOP SKILLS AND ABILITIES recognized by employers for the jobs of the future.

EDUCATION: CASES IN NUMBERS



LOGISTICS AND INDUSTRY 4.0: PROTOTYPING BEST SOLUTIONS

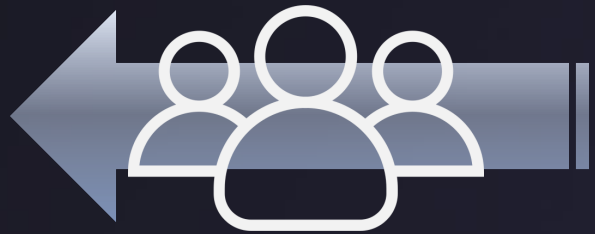
CLOUD ROBOTICS SIMULATION PLATFORM AS A PROVING GROUND FOR . . .

- ⚙️ AI applications
- ⚙️ IoT experiments
- ⚙️ Cloud Edge applications
- ⚙️ Autonomous Robots solutions
- ⚙️ ::::ROS applications
- ⚙️ Wi-Fi 6 & 5G applications



LOGISTICS AND INDUSTRY 4.0: PROTOTYPING BEST SOLUTIONS

Cloud Robotics Simulation Platform as a Proving Ground for Rapid Prototyping Real-World Robotics Applications



Problem:

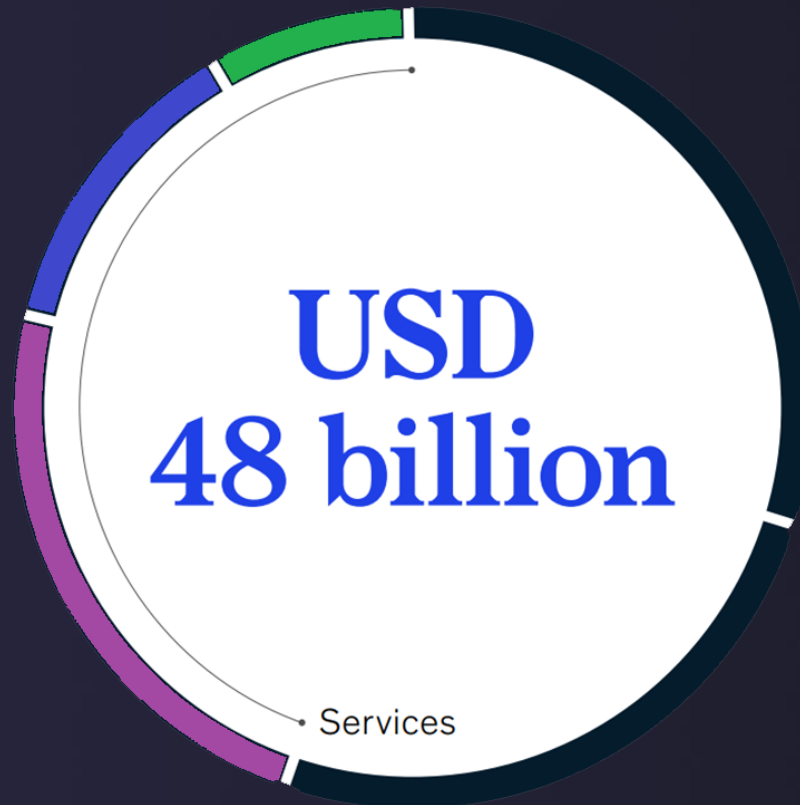
Build intelligent robotics applications involves to put together: autonomous navigation, object recognition, pick and place objects that requires an engineer experienced with artificial intelligence and can take weeks to develop and set up.

Our Solution:

Provide a Cloud Robotic Simulation Environment to develop, test (rapid prototyping process) and deploy robotics applications, and build intelligent robotics functions by using cloud services.

LOGISTICS AND INDUSTRY 4.0: ROBOTICS MARKET IN NUMBERS

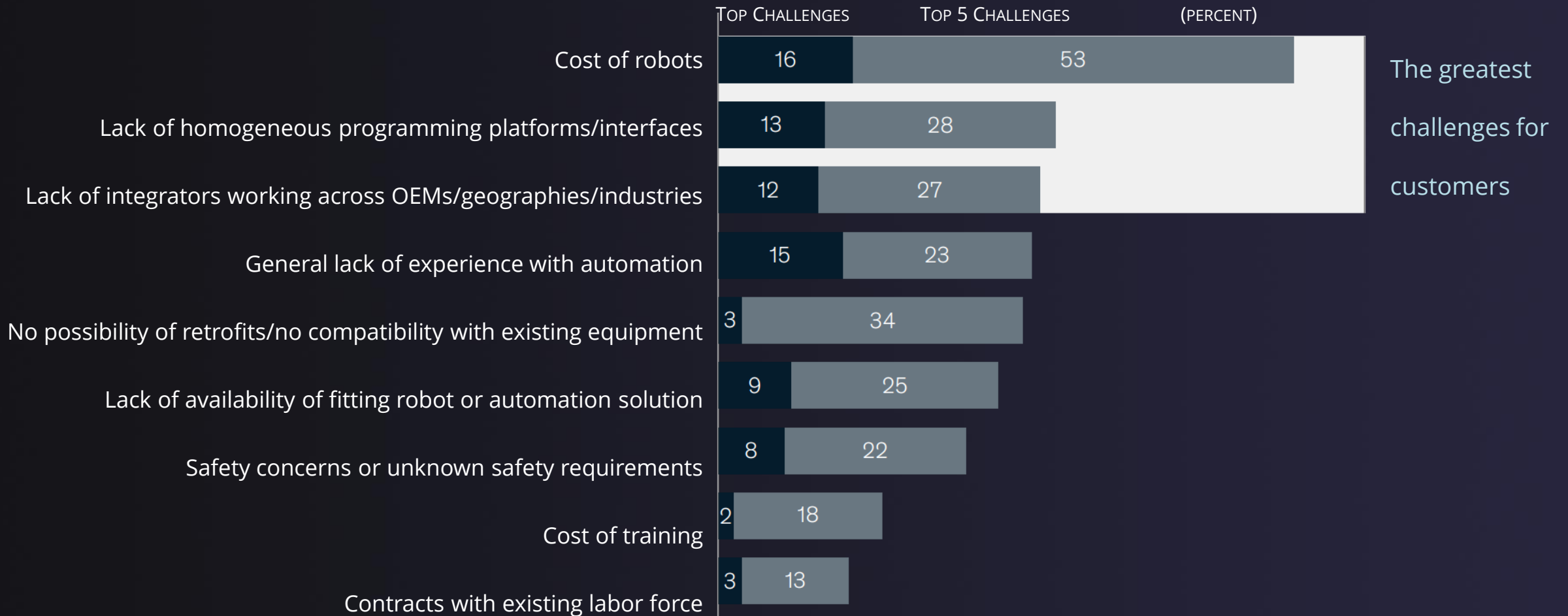
BEYOND ROBOTICS HARDWARE: (HW + SW + SERVICES)
MARKET BREAKDOWN, REVENUES, 2017: USD 48 BILLIONS



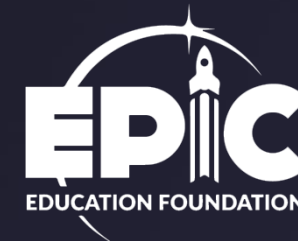
- 3-8
Software and programming, programming robots and associated software
- 5-8
Installation, service to implement and connect robotic hardware
- 10-12
Auxiliary hardware, supplementary/additional robotic hardware (e.g., safety fencing, fixtures, conveyors)
- 12
Robot accessories, complimentary hardware (e.g., EoAT, grippers, vision systems, vision components)
- 14-16
Robot arm without EoAT (End of Arm Tooling)

LOGISTICS AND INDUSTRY 4.0: ROBOTICS MARKET IN NUMBERS

CUSTOMERS INDICATING CHALLENGES



AWARDS & PARTNERS





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