NEWSLETTER 1

DiTwin
digital twin for VET schools

THE PROJECT

By leveraging Digital Twin technology VET curricula can be dynamically adjusted to meet the evolving skill demands of Industry 4.0. This approach not only enhances the relevance of VET providers' training offerings but also introduces a novel educational paradigm that fosters practical, hands-on learning.

DiTwin – Digital Twin for VET schools is a Cooperation partnership in the vocational education and training sector (KA220-VET) funded under the Erasmus+ Programme. Officially initiated in October 2023, this project is set to span 28 months.
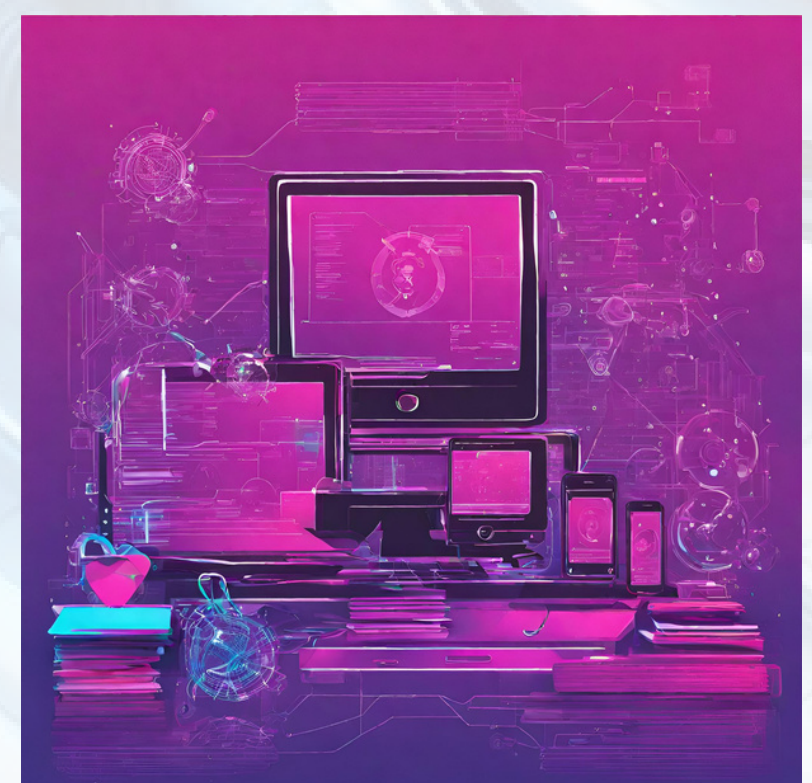
The central objective of DiTwin is to transform VET curricula through the integration of Digital Twin technology. By doing so, it seeks to elevate learning experiences for students while simultaneously addressing key challenges in VET education. This project aims to modernize curricula, mitigate facilities gaps, and bolster teachers' digital competencies. DiTwin endeavors to equip students with the skills and knowledge necessary to thrive in the evolving landscape of Industry 4.0.

In this newsletter, we're excited to share a concise overview of the DiTwin project and provide insights into the activities accomplished thus far. Stay tuned for more updates on how DiTwin is shaping the future of vocational education and training.

Target Groups

The project's **MAIN TARGET AUDIENCE** comprises secondary VET school teachers, educators, and all stakeholders involved in the school-to-work transition process within the VET sector.

The **ULTIMATE RECIPIENTS** encompass secondary VET school students.

Project results

DiTwin Modules

Digital Twins for VET students aiming at developing the competencies needed by Industry 4.0.

DiTwin Platform

A free online platform allowing teachers and students access and use the DiTwin Modules at school.

DiTwin Handbook

It provides VET teachers and trainers with tools and educational resources to implement, support, manage and assess effective Digital Twin-based activities.

DiTwin Transnational Training Course

A Transnational Training Course for VET teachers aiming at developing the needed technical and pedagogical competencies for implementing and managing Digital Twin-basedì activities at schools.

DiTwin Video Tutorial

It is an easy guide for VET teachers on how to implement DiTwin Modules in class.

DiTwin Demo Event

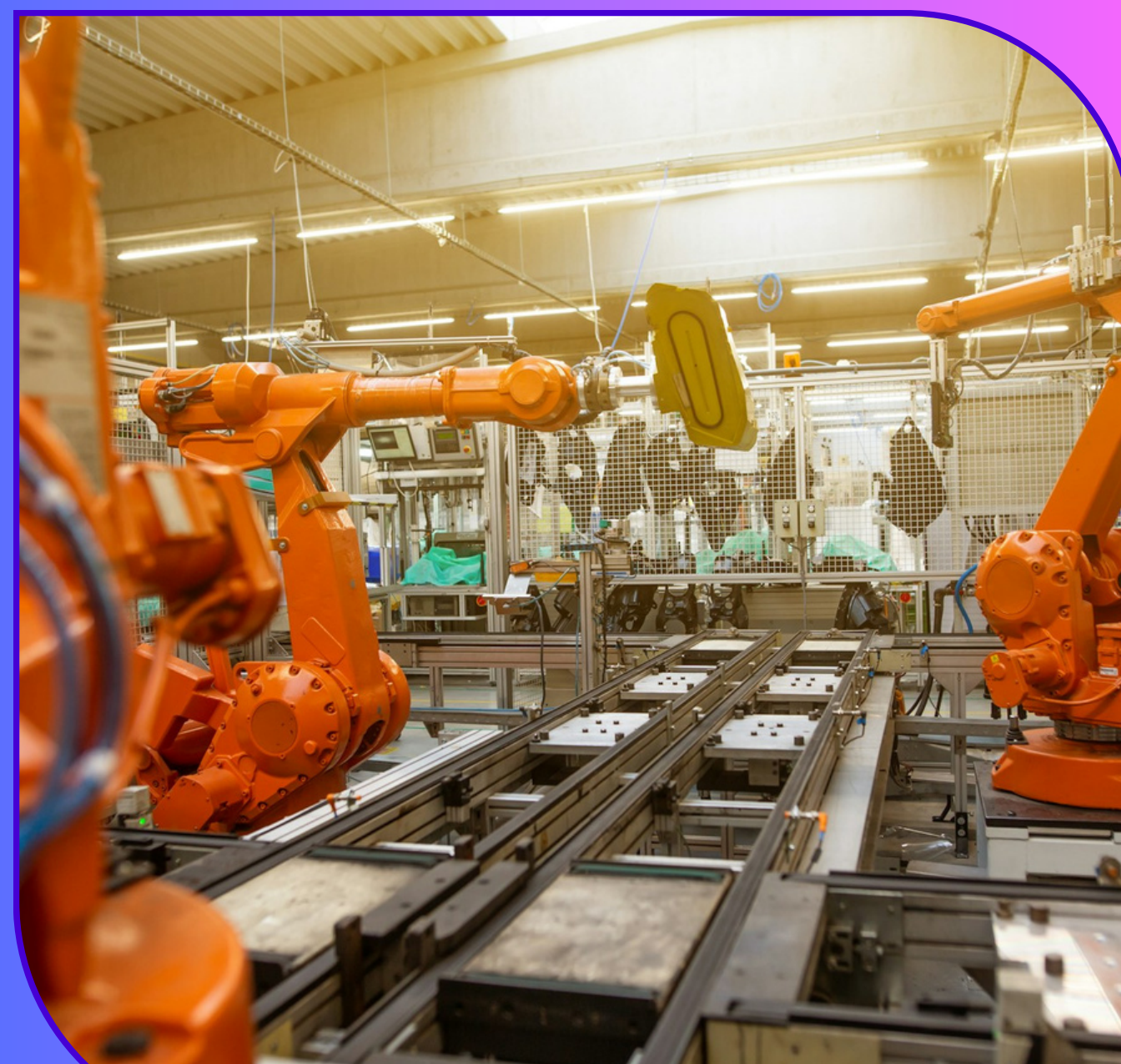It is an online workshop presenting the DiTwin platform and its use.

ACTIVITIES CARRIED OUT

DiTwin Kickoff Meeting

The project kick-off meeting took place in Pesaro (Italy) on January 30 and 31. The partners discussed the project details, analysing the work plan and the expected result.

Definition of the common profiles and competences needed by industry 4.0

Partners within the DiTwin project collaborated to administer a comprehensive questionnaire to industry 4.0 experts. This questionnaire served as a pivotal tool in gathering valuable insights and perspectives from experts across partner countries. By leveraging the expertise of industry professionals, the DiTwin partnership was able to systematically compare and analyze the most crucial competencies and skills associated with industry 4.0 in each participating country.

The Partners

DiTwin- Digital Twin for VET schools activities are implemented by a consortium composed of 7 organisations coming from 5 different European countries.

Learnable

LEARNABLE

Digital Smart

DIGITAL SMART

Innovation Frontiers
Mind is the limit

INNOVATION FRONTIERS

Training Vision
Ireland

TRAINING VISION IRELAND

Málaga TechPark;
Parque Tecnológico de Andalucía

TECHNOLOGY PARK OF ANDALUSIA PTA

uken
Uniwersytet Komisji Edukacji Narodowej w Krakowie

PEDAGOGICAL UNIVERSITY OF KRAKOW

UNIVERSITAS MALACITANA
UNIVERSIDAD DE MÁLAGA

UNIVERSITY OF MALAGA

Let's Keep in Touch

PROJECT WEBSITE