Robintech

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“ROBINTECH - Towards networking and collaborative teaching materials in field of industrial robotics” is an ERASMUS + cofounded project launched in November 2024.

The project **partners** are 5 VET education and training organisations: **Tartu Rakenduslik Kolledž** from Estonia, **Koulutuskuntayhtymä OSAO** from Finland, **IES Bernat Guinovart** from Spain, **FORAVE - Associação para a Educação Profissional do Vale** from Portugal and **ROC Mondriaan,** from the Netherlands.



ROBINTECH is developing a network of partner VET schools and companies to share knowledge and increase the quality of **automation and robotics training.** We specifically aim to connect robotics and automation teachers with practitioners in industries to **improve teachers’ professional competencies** and create and test **new teaching materials** in the fields of industrial robotics and automation and put them into practice to streamline training in VET education.



The project concluded its last **collaborative seminar** this past March at IES Bernat Guinovart. During the gathering, partners explored various robotics teaching methodologies and laboratory setups while also visiting AGFRA Automation Intelligence, a local company, to gain firsthand industry insights.

The meeting also served as a launchpad for **five new training modules.** Partners engaged in productive discussions regarding the piloting and evaluation of these materials, which cover **robot welding, machine vision, the connection of CNC and robot systems, the industrial application of IO-Link, and introductory training for EPLAN.**





After months of teamwork, project meetings and internships, the **ROBINTECH project** has officially reached the **testing phase** where its developed learning materials are being piloted with students. Partners from VOCO and FORAVE were welcomed by teachers and students at OSAO and IES to begin this practical evaluation. The feedback collected throughout this process will provide essential insights into the student experience and the specific challenges faced by teachers, ensuring the materials are thoroughly refined before their final publication.

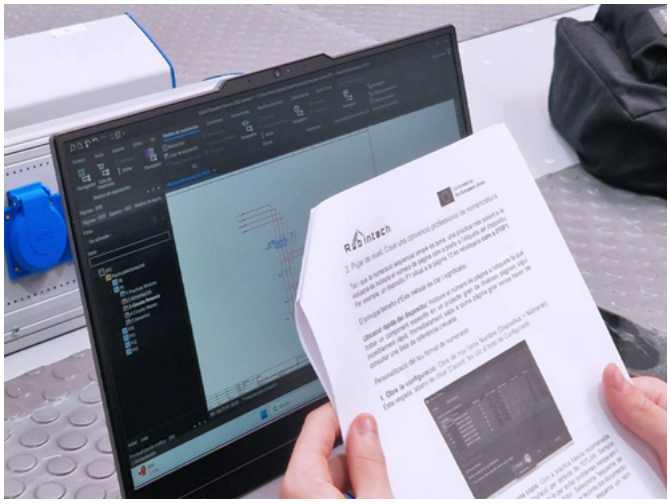
As part of this phase, **OSAO's** materials focused specifically on **"Robot Welding".** To provide further industry context, the team from **VOCO** also visited **Rantek**, an electrical equipment manufacturer specializing in winding, machining, and hardware assemblies. This visit highlighted the importance of versatile, customizable solutions in modern manufacturing and helped ground the training materials in real-world excellence.







FORAVE´s teachers were hosted by IES Bernat Guinovart´s teachers for the piloting of the materials **“Getting Started with EPLAN Electric 2025: Fundamentals for Electrical Design”** which provided valuable insights into innovative teaching methodologies and technical tools used in automation and electrical design.



The mobility also included a visit to ***Proemisa***, a local company specializing in industrial automation, robotics, and clean energy solutions. This visit provided a valuable opportunity to observe how students apply their technical training within a professional industrial environment.



PARTNERS