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- OSZ TIEM, Berlin/Germany
- Buca Teknik ve Endüstri Meslek Lisesi, Izmir/Turkey
- Atatürk Teknik ve Endüstri Meslek Lisesi, Izmir/Turkey
- TRADIUM, Randers/Denmark
- Stad Antwerpen, Antwerp/Belgium
- Leonardo Lyceum CDO, Antwerp/Belgium
- Nijverheidsschool SCVO, Antwerp/Belgium
- Cenífer, Imarcóain (Navarra)/Spain



**AIRE (Adapting and Installing an international vocational training for Renewable Energies)** has been endorsed by the European Commission's Sustainable Energy Europe Campaign as an Official Partner.



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adapting &  
installing an  
international  
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renewable  
energies

## Advisory Committee

- Senatsverwaltung für Bildung, Wissenschaft und Forschung
- Berliner Arbeitsgemeinschaft Berufsbildung für nachhaltige Entwicklung (BABNE)
- Energie für Bildung e. V.
- Izmir Chamber of Heating System and Sanitary Facilities (Izmir Kaloriferçiler ve Sihhi Tesisatçılar Odası)
- Picture Power BV Consultancy and production VET media

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## PROJECT OBJECTIVES



- Develop and disseminate international training in the field of renewable energy techniques and energy management.
- Develop and utilize **transparency instruments** for comparability of training in Europe. Define levels according to the European Qualification Framework, assign ECVET credit points to modules, and define segments of the training which can be completed abroad. Apply the EUROPASS instruments.
- **Network** among training institutions, companies, universities, political decision makers, and associations in the field of renewable energy and education.
- Establish examination modalities and **certification**, which will facilitate to the candidates the execution of examination procedures independent from their school's location and the recognition of achieved partial or total qualifications.



The **key competences** as defined by the EU should be provided before the vocational training starts.

The **General Vocational Competences** should comprise 50% of the training in the field of electricity.

For the Specific **AIRE Vocational Learning Outcomes** (regarding knowledge, skills, and competences) the following titles for AIRE modules are defined:

Module 1	Specialization 1* 1.1 Photovoltaic* 1.2 Solar Thermal* 1.3 Wind*
Module 2	Specialization 2*
Module 3	Other Forms of Energy*
Module 4	Safety
Module 5	Processes
Module 6	Customer service
Module 7	Entrepreneurship
Module 8	Technical English

\*Modules 1, 2, and 3 are subdivided into the following aspects:

- Energy generation
- Construction
- Management (location, supply of different types of renewable energy, combination, ...)
- Control (IT remote control)
- Efficiency (taking the best results out of it)
- Maintenance + Repair
- Energy storage
- Feeding the grid
- Recycling and Repowering



## PROJECT CONTENTS

- A catalogue of learning outcomes for qualification modules is defined. The set of learning outcomes allows for comparison of the central elements of the AIRE training in all partner countries and installation of a matrix system with common, central step-stones within the learning path.
- AIRE provides a basis for a Europe-wide certification of knowledge, skills, and competences in training for renewable energies.
- The member states can rely on common standards which allow recognition of competences acquired elsewhere in Europe, cooperation between training institutions in Europe, and transparency of qualifications.

## PRODUCTS

- **AIRE-kit** – An assortment of devices and equipment, which is necessary for teaching AIRE classes.
- **Collection of Teaching Material which can be used for AIRE Training**
- **AIRE Certification concept**
- **AIRE European Knowledge Network**
- **AIRE Awareness Rising among Local Authorities in Favour of Teaching Renewable Energy**

