PROJECT NUMBER

**2022-2-TR01-KA210-VET-000098216**

PROJECT TİTLE

# NEW APPLİCATİONS İN RENEWABLE ENERGY TECHNOLOGİES ACCORDİNG TO 4.0 STANDARDS PROJECT

APPLİCANT INSTİTUTİON

## TARSUS CHAMBER OF COMMERCE AND INDUSTRY VOCATIONAL AND TECHNICAL ANATOLIAN HIGH SCHOOL

TÜRKİYE ULUSAL AJANSI
TURKISH NATIONAL AGENCY

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the European Union

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This document was prepared within the scope of the New Applications in Renewable Energy Technologies According to 4.0 Standards project numbered 2022-2-TR01-KA210-VET-000098216. It is intended to guide vocational education trainers. It is free for users, cannot be sold or reproduced. It is published as an e-book on the Project Website (http://www.renewableenergy40.com).

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# WHAT IS ERASMUS PLUS+ PROGRAM?

With the Erasmus+ Program, it is aimed to provide people with new skills regardless of their age and educational background, to strengthen their personal development and to increase their employment opportunities.

## Three Main Actions

| 1 | 2 | 3 |
|---|---|---|
| Learning Mobility of Individuals **(KA1)** | Cooperation Between Institutions and Organizations **(KA2)** | Political Development and Cooperation Support **(KA3)** |
| Erasmus Learner and Staff Mobility | Partnerships for Cooperation<br>➢ Partnerships for Cooperation<br>➢ Small-Scale Partnerships<br>Partnerships for Excellence<br>Partnerships for Innovation<br>Alliances for Innovation<br>Capacity Building in Youth<br>European Non-Profit Sporting Events | European Youth Together<br>Jean Monnet Activities |

## Collaboration Partnership Types (NA)

### Collaboration Partnerships

It supports joint initiatives that promote the development, transfer, implementation and/or exchange of experience, peer learning and collaboration of innovative (intellectual) practices. It requires concrete outputs.

## Small-Scale Partnerships

- Easier application rules
- Encourage small organizations, institutions with no project experience, small companies at lower levels.
- Making projects easier
- Facilitating groups with limited opportunities
- Establishing cooperation networks
- Increase their international capacity

## Horizontal Priorities Valid for All Erasmus+ Sectors

- Inclusion and diversity in all fields of education, training, youth and sport
- Fight against environmental and climate change
- Addressing digital transformation through development of digital readiness, resilience and capacity
- Common values, civic engagement and participation

## VET-Specific Priorities (for basic and continuing vocational education)

- Adapting vocational education and training to labour market needs
- Increasing the flexibility of opportunities in vocational education and training
- Contributing to innovation in vocational education and training
- Increasing attractiveness of VET
- Improving quality assurance in vocational education and training
- Creation and implementation of internationalisation strategies for VET providers


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## PROJECT INFORMATION

| | |
|---|---|
| Applicant Institution | Tarsus Ticaret ve Sanayi Odası Vocational And Technical Anatolian High School |
| Project Number | 2022-2-TR01-KA210-VET-000098216 |
| Project Title | New Applications In Renewable Energy Technologies According To 4.0 Standards Project |
| Project Date | 30.04.2023– 29.09.2024 |
| Project Duration | 17 months |
| Project Budget | 60.000 Euro |

### Why was the project created?

It has become a necessity to focus on renewable energy sources in order to transfer the natural heritage to future generations, to protect the environment and to obtain cheap energy. Our project focuses mainly on two issues.

Environment and Digitizing Energy, without these two elements, there will be no competition of countries with other countries and transfer of nature to future generations

In this digitalized world, it is necessary to have a qualified workforce in order to produce electrical energy using renewable energy sources of energy and fast, safe Digital Transformation in Solar Energy technologies.

With this project, institutional capacities will be strengthened by training qualified manpower.

The existing capacities of the project partner countries and other European countries in the field of Renewable Energy will be strengthened. With the prepared project, it will be ensured that European countries have a say in Digital Transformation in Solar Energy.

In addition, by disseminating the European Green Deal, this growth strategy of EU countries will contribute to sustainable mobility and biodiversity targets such as clean energy, sustainable industry, elimination of pollution, etc.

### Objectives

- To develop INNOVATIVE, ENTREPRENEUR and DIGITAL skills in Vocational Education by using innovative methods and approaches in education,
- Developing DIGITAL INTEGRATION in open access learning and teaching by creating ICT-based teaching materials,
- Providing equal opportunity to disadvantaged group
- Globalization by using a common target language
- Accelerating the transition to Digital Transformation technologies in Solar Energy in the energy sector
- We aim to protect the environment by using solar energy source

**Implementation**

- Preparation of press releases to draw attention to the energy sector,
- Providing project information to beneficiaries, SMEs & non-governmental organizations,
- Creating digital environments for prepared documents,
- Conducting surveys to determine the need in the field of Digital Transformation in Solar Energy, preparing documents according to the results, writing modules, making video shoots, preparing a virtual prototype of a business
- Studies to disseminate project results

**Results**

- Globalization in education will be ensured with documents and materials prepared in a common language.
- It will be ensured that the trainers in the institutions providing training in the field of Digital Transformation in Solar Energy participate in the implementation activities and have access to information and technology.
- Innovative, Environmentalist and Entrepreneurial individuals in education will be trained and they will be able to find employment
- R&D will be developed to create international technology in the field of Digital Transformation in Solar Energy.

**Applicant Institution -**
**Tarsus Ticaret ve Sanayi Odası Vocational and Technical Anatolian High School (Türkiye)**
**https://tarsustsoeml.meb.k12.tr/**

Our school started education in 2000. Education and training is carried out with 777 students and 62 personnel in 3 fields, namely Renewable Energy Technologies, Electric-Electronic Technology, Information Technologies. In formal education, education continues within the scope of the Vocational Open and vocational training center. This situation causes us to have a wide range of students in every sense (cultural, linguistic, social, harmony, different needs and wishes).
Our school is the locomotive of our province in vocational education. We work with the vision of "following the innovations in the professions, adapting by catching the change and transformation and raising qualified professional staff needed by the job market".

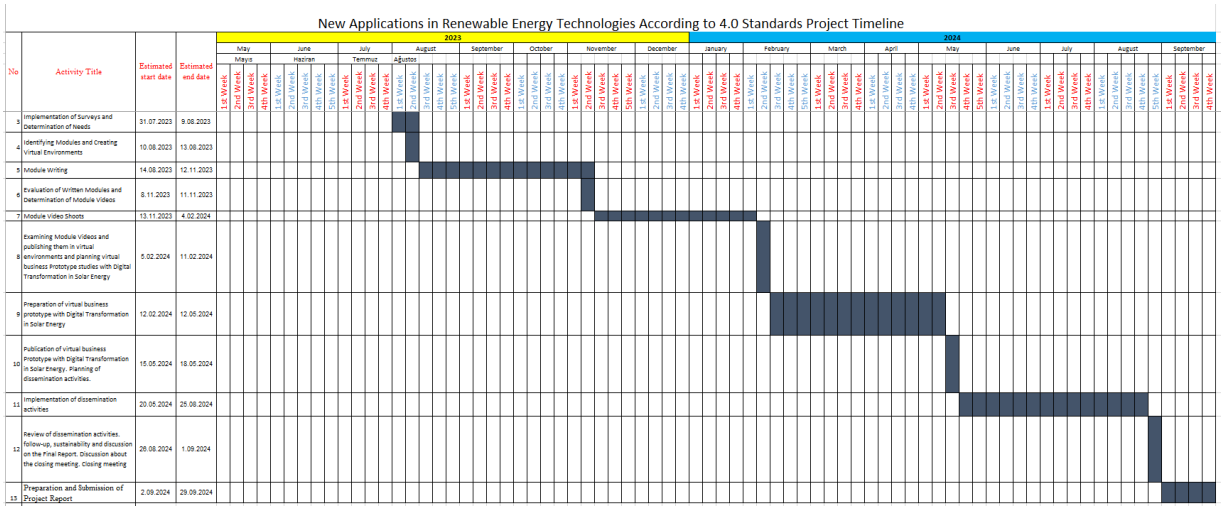
**Partner organisation-Eshia Energia S.L (Spain)**
**http://www.eshia.es/pag/inicio.html**

It supplies equipment, products and services, has branches in 3 continents, 9 cities of Spain in Europe, 5 countries in Latin America, including Chile, Colombia, Mexico, Peru, Brazil, and Egypt and Morocco in Africa. is one of the leading companies in its field, which is very strong and follows technological developments in the field of energy and reflects them to the field.
It has designed and installed many facilities working with renewable energy sources. Eshia S.L is a Renewable Energy company that can apply Energy Certificates of all types of buildings and offers a wide range of products and services in this field.
Eshia S.L. retains the experience and quality both in service and in the equipment it sells. We believe we are a guaranteed asset for needs in any energy recovery system and subsequent power treatment applications. Especially in renewable energies, autonomous systems and grid-connected electricity generation is also our field of activity.

**Partner Institution -N2 Anıma Gmbh (Austria)**
**https://n2anima.com/**

N2 Anima Gmbh is an Austria-based company dedicated to providing comprehensive services in the fields of interactive animation and prototyping, web page creation, video shooting, training videos, engineering and design, product development and prototyping.
The range of services includes the development of products incorporating Industry 4.0 technologies and principles,
intelligent equipment design, computer simulations, etc. includes.
Currently, N2 Anima Gmbh has 8 permanent staff members and, as it has a wide network of partners and collaborators, it carries out most of the work it receives with partner companies it cooperates with. It has carried out many projects and as an institution with direct experience, N2 Anima is eager to participate in Erasmus+ and other EU projects.

## Project Timeline




## DİSSEMİNATİON ACTİVİTİES

The work carried out within the scope of the project was shared on the project website and social media accounts.

| | | |
|---|---|---|
| Project website | https://www.renewableenergy40.com/ | |
| Project's YouTube channel | https://www.youtube.com/@renewableenergy40 | |
| Instagram page of the project | https://www.instagram.com/renewableenergy.40/ | |
| Facebook page of the project | https://www.facebook.com/profile.php?id=100095603400940 | |

A space was created for the project in Google Drive. Project materials and documents were shared.

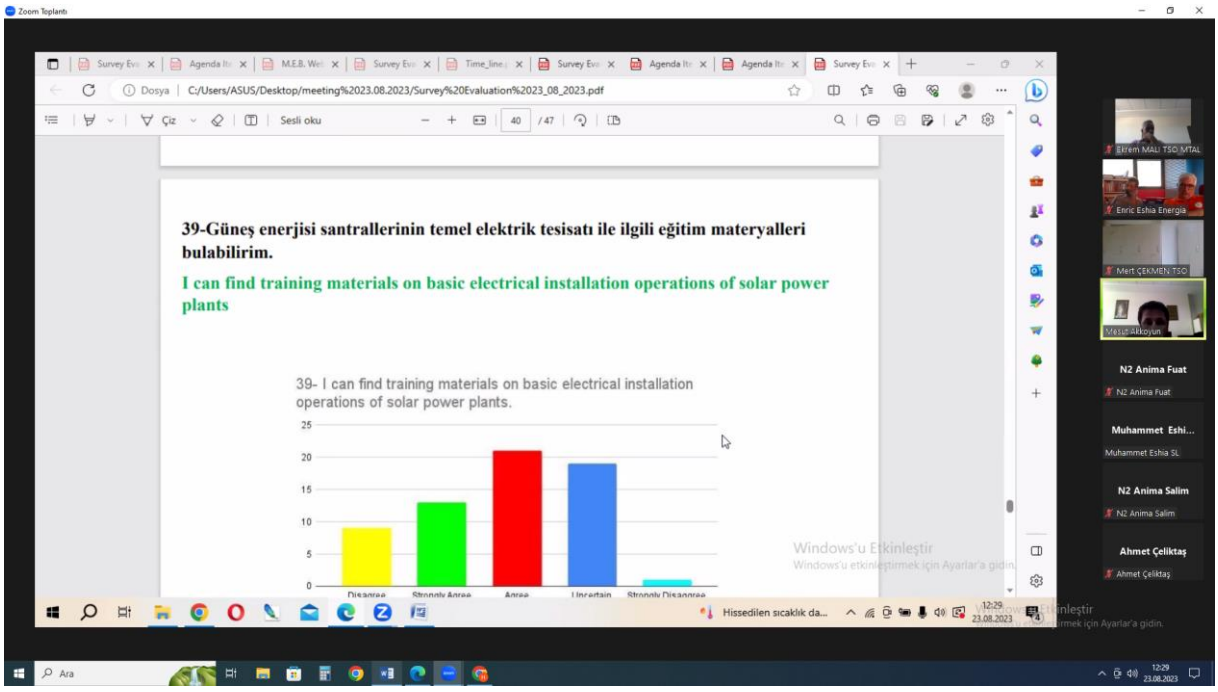
## Establishment of the Management and Monitoring Board and Virtual meeting

## Opening Meeting (Mersin/Türkiye)

### Agenda Items

| | |
|---|---|
| **28 July 2023** | Introduction, distribution of the project information bulletin to the press |
| | Information Presentation about the Project by Project Coordinator Tarsus Chamber of Commerce and Industry Vocational and Technical Anatolian High School |
| | Promoting Türkiye and our Institution |
| | EshiaEnergia S.L institution's introduction presentation |
| | N2 ANIMA GMBH institution's introduction presentation |
| | BREAK |
| | Establishment of working teams (Management and Monitoring Commission and Dissemination Commission) |
| | Discussing the activities to be carried out within the scope of the project related to the European Green Deal |
| | Discussing Green Travel issues |
| | LUNCH |
| | Technical trip to the business of Berdan Civata Energy Manufacturing Defense Industry and Laboratory Services Trade Inc. |
| | Cultural visits |
| | DINNER |
| **29 July 2023** | Determining the main criteria of survey studies and creating surveys |
| | Exchange of information about module writing studies |
| | BREAK |
| | Exchange of information about video shooting activities |
| | Creation of Virtual Environments and Project Logo |
| | LUNCH |
| | Visit to Tarsus Chamber of Commerce and Industry Vocational and Technical Anatolian High School |
| | Cultural visits |
| | DINNER |


## Implementation of Surveys and Determination of Needs



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## Technical Terms Dictionary Prepared

PROJECT NUMBER

2022-2-TR01-KA210-VET-000098216

PROJECT TİTLE

NEW APPLİCATİONS İN RENEWABLE ENERGY TECHNOLOGİES ACCORDİNG TO 4.0 STANDARDS PROJECT

DICTIONARY OF TECHNICAL TERMS

(TURKISH, ENGLISH, GERMAN, SPANISH)

2022-2-TR01-KA210-VET-000098216

NEW APPLİCATİONS İN RENEWABLE ENERGY TECHNOLOGİES ACCORDİNG TO 4.0 STANDARDS PROJECT

DICTIONARY OF TECHNICAL TERMS (TURKISH, ENGLISH, GERMAN, SPANISH)

| NO | TR | EN | DE | ES |
|---|---|---|---|---|
| 1 | **Akıllı Şebekeler**<br>Elektrik dağıtım ağını daha verimli ve etkili hale getirmek için gelişmiş teknolojilerin ve ekipmanların entegrasyonuyla oluşturulan şebeke sistemidir. | **Smart Grids**<br>A network system formed by integrating advanced technologies and equipment to make the electricity distribution more efficient and effective. | **Intelligente Netze**<br>Es handelt sich um ein Netzsystem, das durch die Integration fortschrittlicher Technologien und Geräte entsteht, um das Stromverteilungsnetz effizienter und effektiver zu machen. | **Redes inteligentes**<br>Un sistema de red formado mediante la integración de tecnologías y equipos avanzados para hacer la distribución de electricidad más eficiente y efectiva. |
| 2 | **Alternatif Akım (AC)**<br>Elektrik akımının yönünün periyodik olarak değiştiği akım türüdür. | **Alternating Current (AC)**<br>A type of electric current where the direction changes periodically. | **Wechselstrom (AC)**<br>Es handelt sich um eine Stromart, bei der sich die Richtung des elektrischen Stroms periodisch ändert. | **Corriente alterna (CA)**<br>Un tipo de corriente eléctrica donde la dirección cambia periódicamente. |
| 3 | **Amper (amp)**<br>Elektrik akımını ifade eder. Sembolü ise "A" dır. | **Ampere (amp)**<br>Represents electric current. Its symbol is "A". | **Ampere (Ampere)**<br>Es bezieht sich auf elektrischen Strom. Sein Symbol ist „A". | **Amperio (amperio)**<br>Representa la corriente eléctrica. Su símbolo es "A". |
| 4 | **Amper-saat (AH)**<br>Elektrik yük miktarını belirten bir birimdir. Genellikle bataryaların kapasitesini ifade etmek için kullanılır. | **Ampere-hour (AH)**<br>A unit indicating the amount of electric charge. Commonly used to express the capacity of batteries. | **Amperestunde (AH)**<br>Es ist eine Einheit, die die Menge der elektrischen Ladung angibt. Es wird häufig verwendet, um die Kapazität von Batterien auszudrücken. | **Amperios-hora (AH)**<br>Unidad que indica la cantidad de carga eléctrica. Comúnmente utilizado para expresar la capacidad de las baterías. |
| 5 | **Bağımsız Sistem**<br>Elektrik şebekesine bağlı olmayan, kendi başına çalışabilen enerji sistemidir. | **Independent System**<br>An energy system that operates independently, not connected to the electricity grid. | **Unabhängiges System**<br>Ein Energiesystem, das unabhängig arbeitet und nicht an das Stromnetz angeschlossen ist. | **Sistema independiente**<br>Un sistema energético que funciona de forma independiente, no conectado a la red eléctrica. |
| 6 | **Bağımsız Sistem Operatörü (ISO)**<br>Elektrik şebekesinin dengesinden ve işleyişinden sorumlu kuruluş ya da kişi. | **Independent System Operator (ISO)**<br>An organization or individual responsible for the balance and operation of the electricity grid. | **Unabhängiger Systembetreiber (ISO)**<br>Organisation oder Person, die für das Gleichgewicht und den Betrieb des Stromnetzes verantwortlich ist. | **Operador de sistema independiente (ISO)**<br>Una organización o individuo responsable del equilibrio y operación de la red eléctrica. |

## Institutions that received technical support during the Module Writing Process

1. Eshıa Energıa SL workshop and GES operation site (Spain)
2. N2 Anıma Gmbh (Austria)
3. Tarsus Chamber of Commerce and Industry Vocational and Technical Anatolian High School workshops,
4. Berdan Civata Energy Manufacturing Defense Industry and Laboratory Services Trade Inc. Solar Power Plant (GES) operation site
5. Kıvanç Energy Solar Panel Production Facility,
6. Tarsus University Faculty of Engineering
7. Göktekin Energy
8. MCC Electrotechnical Construction Engineering Industry and Trade Ltd. Co. operation site,
9. Halley Solar Energy operation site
10. Virtual Computer operation
11. Mersin Ford Truck-Erman Group GES operation site

## Written Modules

Module-1: Work Safety and Motivation of the Employee in the Sector
Module-2: Preparing the Construction
Module-3: Making a Solar Panel Stand and Mounting the Panels
Module-4: Installing the Solar Panel System
Module-5: Installing the Converter System
Module-6: System Groundings
Module-7: Installing the Control System
Module-8: Putting Solar Panels into Operation
Module-9: Photovoltaic System Design and Operation Maintenance Control

RENEWABLE ENERGY TECHNOLOGIES

# CONVERTER SYSTEM INSTALLATİON MODULE

2022-2-TR01-KA210-VET-000098216
IN RENEWABLE ENERGY TECHNOLOGIES
ACCORDING TO 4.0 STANDARDS
NEW APPLICATIONS

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RENEWABLE ENERGY TECHNOLOGIES

# PHOTOVOLTAİC SYSTEM DESİGN AND OPERATİON MAİNTENANCE CONTROL MODULE

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IN RENEWABLE ENERGY TECHNOLOGIES
ACCORDING TO 4.0 STANDARDS
NEW APPLICATIONS

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RENEWABLE ENERGY TECHNOLOGIES

# COMMİSSİONİNG SOLAR PANELS MODULE

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IN RENEWABLE ENERGY TECHNOLOGIES
ACCORDING TO 4.0 STANDARDS
NEW APPLICATIONS

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RENEWABLE ENERGY TECHNOLOGIES

# INSTALLING THE CONTROL SYSTEM MODULE

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IN RENEWABLE ENERGY TECHNOLOGIES
ACCORDING TO 4.0 STANDARDS
NEW APPLICATIONS

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Agenda Items

| | |
|---|---|
| 09 November 2023 | Introduction, distribution of the project information bulletin to the press by ESIA ENERGIA SL |
| | Promotion of the country and the environment in which it is located by the host Institution ESIA ENERGIA SL. |
| | Giving information about the modules written by the coordinating country. |
| | Ensuring that the created modules are reviewed with the partners. |
| | BREAK |
| | Determining which modules will shoot the course videos |
| | LUNCH |
| | Establishment of video shooting teams and determination of task distribution. Regarding the Green Europe icon to be used in videos |
| | Making Business Trips |
| | Cultural activities. |
| | DINNER |
| 10 November 2023 | Receiving opinions about Digital Transformation in Virtual Solar Energy. |
| | BREAK |
| | Vocational Education Institution Trip |
| | LUNCH |
| | Evaluation, Certification |
| | Cultural visits |
| | DINNER |





## Institutions where Module Video Shoots were made

1. Eshıa Energıa SL workshop and GES operation site,
2. N2 Anıma Gmbh,
3. Tarsus Chamber of Commerce and Industry Vocational and Technical Anatolian High School workshops,
4. Şahin Doğan GES operation site,
5. MASKİ GES operation site,
6. Kıvanç Enerji Solar Panel Production Facility,
7. TEMAKSAN operation site

## Module Videos Shot

Module-1: Work Safety and Motivation of the Employee in the Sector

OHS Personal Equipment

Occupational Safety

OHS Safety Belt

Module-2: Preparing the Construction

Panel Clamp Mounting

PV Stand Components

Grounding

Station Grounding

Module-3: Making a Solar Panel Stand and Mounting the Panels

PV Cell Structure

Series Connection of PV Panels

Parallel Connection of PV Panels

MC 4 Connector Connection

MC 4 Connector

PV Label Evaluation

Metal Carrier System Installation

Module-4: Installing the Solar Panel System

PV Direction Finding Compass

Finding PV Panel Direction According to Latitude Value

Finding PV Panel Direction with Zenith Angle

Importance of Panel Direction

Module-5: Installing the Converter System

Inverter Input Cable Labeling

Charge Controllers

Micro and Inverter Mounting Type

Dc Fuse Connection

GES System Room

Inverter Connection

Module-6: System Groundings

Grounding Roof

Grounding Flex Connection

Panel and Construction Grounding

Module-7: Installing the Control System

Battery Label Review

PV Solar Cable Connection

Rail Terminal and Fuse Connection

Module-8: Putting Solar Panels into Operation

Ges Panel Content

Roof String Connections of Panels

Ges Quality Recorder

Surge Arrester

Cable Trays

Ges Panel Content

PV Connection Box

Module-9: Photovoltaic System Design and Operation Maintenance Control

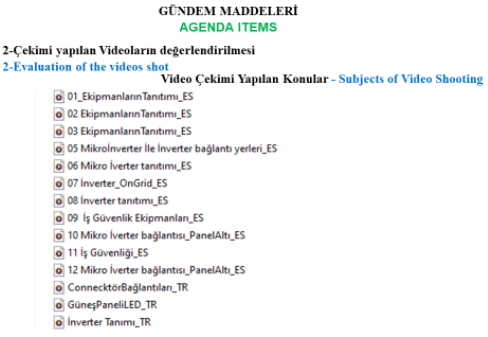
Inventer Screen Reading

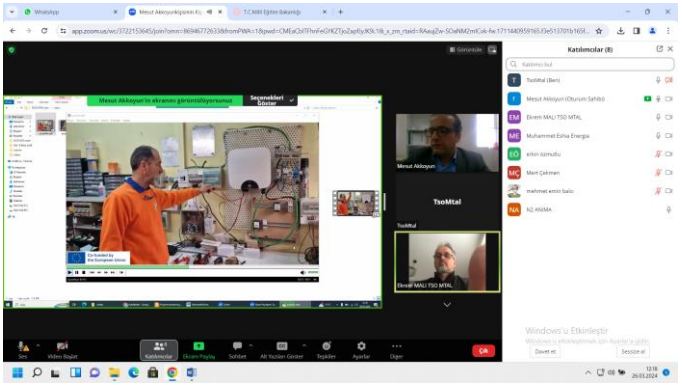
Off Grid and On Grid Installation Preliminary Preparation

Charge Controllers

Inventer Screen and Connection

## Project Monitoring and Video Shooting Activity Evaluation Meeting



## Publication of virtual business Prototype with Digital Transformation in Solar Energy.


## Transnational Meeting-3 (Vienna / AUSTRIA)

### Agenda Items

| | |
|---|---|
| 16 May 2024 | Introduction, distribution of the project information bulletin to the press by N2 ANIMA GMBH |
| | Promotion of the country and the environment in which it is located by the host Institution N2 ANIMA GMBH |
| | Giving information about the modules written by the coordinating country. |
| | Giving information about the videos shot by the coordinating country. |
| | BREAK |
| | Evaluation of modules and videos shot |
| | LUNCH |
| | Examining the created virtual business prototype with Digital Transformation in Solar Energy and publishing it in virtual environments |
| | Making Business Trips |
| | Cultural activities. |
| | DINNER |
| 17 May 2024 | Planning the dissemination and evaluation strategy |
| | Discussing issues regarding the use of the Green Europe Visual in all activities |
| | BREAK |
| | Exchanging information about upcoming seminars and meetings |
| | Distributing tasks regarding posters and brochures and delivering them to partners |
| | LUNCH |
| | Discussing issues regarding whether the project's goals have been achieved or not |
| | Certification |
| | Cultural visits |
| | DINNER |

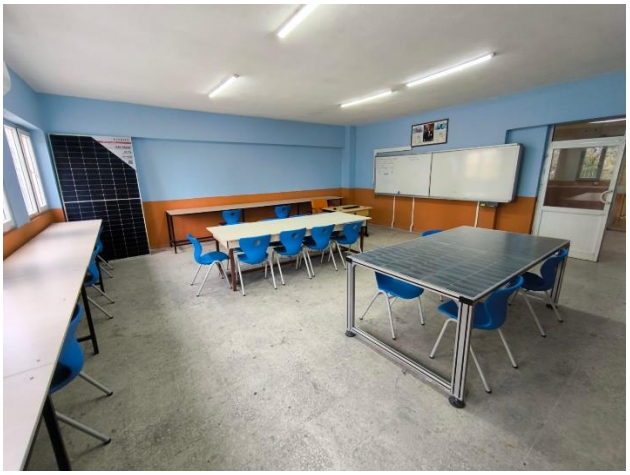
# DİSSEMİNATİON ACTİVİTİES

## Technical visit to Kıvanç Enerji Solar Panel Production Facility


# Kıvanç Energy Technical Team's visit to our school




## Kıvanç Energy has Established a Renewable Energy Systems Workshop at our School

## Project dissemination seminar was held during the Erasmus Days 2024 week

## Project outputs were shared at the 1st Youth Fair Exhibition.




## The Last Stop Form Before Employment was completed



TEKNİK&POSTA

TARSUS TİCARET VE SANAYİ ODASI MESLEKİ VE TEKNİK ANADOLU LİSESİ YAYIN ORGANI

24.12.2023

**KARİYER GÜNLERİ KAPSAMINDA İŞKUR MÜDÜRÜ, MESLEKİ EĞİTİM İŞ BULMA UZMANI VE ÜÇ AYRI SEKTÖR TEMSİLCİSİ ÖĞRENCİLERİMİZLE BULUŞTU**

**Öğrencilerimizde farkındalık yaratmak adına kariyer günleri kapsamında İşkur Müdürünü,Mesleki Eğitim İş Bulma Uzmanını ve üç farklı sektör temsilcilerini okulumuzda ağırladık.**

İşkur Müdürü Kürşat DAL — İş Bulma İşe Başvuru Uzmanı Rakide Beyhan Sayar — Sanal Bilgisayar İşletme Sahibi Dursun Arslan

**Kariyer günleri kapsamında yürüttüğümüz çalışmalara yeni bir halka daha ekledik. İşkur Müdürü Kürşat DAL ve Mesleki Eğitim İş Bulma Uzmanı Rakide Beyhan SAYAR ve üç ayrı alanımızın temsilcileri Sanal Bilgisayardan işletme sahibi Dursun ARSLAN ,MCC Mühendislik sahibi Mehmet ERDOĞAN ,Halley Solar Enerji işletme sahibi Mahir ÖZKAN İstihdamdan önce son durak isimli forumumuza katılarak öğrencilerimizle buluştu.**

**Bu kapsamda öğrencilerimizin gelecek planlarını nasıl yapmaları gerektiği iş ve iş bulma konusunda karşılaşacakları sorunları,sektörde neler yaşandığını tecrübe bilgi ve birikimlerini öğrencilerimizle paylaştı. Oldukça başarılı bir şekilde gerçekleştirililen forumda iş ve sektör anlatılarak öğrencilerimize faydalı bilgiler sunmuşlardır.**

## Within the scope of the project, a Chinese Language Course was opened in cooperation with Kıvanç Enerji.

TEKNİK&POSTA 技术邮件

TARSUS TİCARET VE SANAYİ ODASI MESLEKİ VE TEKNİK ANADOLU LİSESİ YAYIN ORGANI

**Tarsus'ta Çince Kursu ile Küresel Vizyon Hedefi**

**Tarsus Ticaret ve Sanayi Odası Mesleki ve Teknik Anadolu Lisesi'nde, geleceğin iş dünyasına yön verecek önemli bir adım atıldı. Açılışı yapılan Çince kursu, sadece dil eğitimi sunmakla kalmayıp, öğrencilere farklı bir kültürü tanıma ve küresel bir vizyon geliştirme fırsatı sunuyor.**

Okulumuzda açılan Çince kursunun açılış töreninde Kıvanç Enerjiden Evrim Ayana, Direktör Zhang Wang-CTO, Ekrem Demirkale, İş Geliştirme Müdürü Cansu Ak, İnsan Kaynakları Müdürü Anıl Can Güler,Maksına Birim Şefi İbrahim Güneş, Planlama Birim Sorumlusu Zeynep Kalıç, Çince Uzmanı Berfin Dilşen, Proje Mühendisi Sena Özcan,Erman Group tan Mehmet Deniz ve Emrah Deniz, Kurum amirleri ,okul müdürleri öğretmenler ve öğrenciler ve diğer katılımcılar hazır bulundu.

Açılışta yapılan konuşmada, Tarsus Ticaret ve Sanayi Odası'na, projede emeği geçen paydaşlara ve öğretmenlere teşekkür edilerek, bu kursun önemine vurgu yapıldı. Açıklamada, "Bu kurs, mesleki gelişimden öte, kültürel bir köprü kurmak için de önemli bir adımdır. Her dil yeni bir dünya demektir. Bugün burada atılan bu adımın, öğrencilerimiz için büyük başarıların kapısını aralayacağına inanıyoruz," denildi.

Çince, dünyanın en çok konuşulan dillerinden biri olmasının yanı sıra, Türkiye ve Çin arasındaki ticaret ve iş birliği açısından büyük bir stratejik öneme sahip. Bu kapsamda hayata geçirilen kurs, öğrencilerimize istihdamda rakiplerinden bir adım öne geçme şansı tanıyacak.

Öğrencilerden bu fırsatı en iyi şekilde değerlendirmeleri beklenirken, kurstan Tarsus ve bölgedeki mesleki eğitimin gelişimine katkı sağlayacağı ifade edildi. Çince kursunun istihdam odaklı yenilikçi eğitim projeleriyle daha güçlü bir geleceğe kapı aralayacağına dikkat çekildi.

TARSUS'UN EĞİTİM VİZYONUNA KATKI SAĞLAYACAK BU ANLAMLI PROJE TÜM BÖLGEYE HAYIRLI OLSUN!

## A dissemination seminar was organized for Sector Representatives

**We visited Mersin Ford Truck-Erman Group (They supported our project, they bought 20 GES training sets for the school)**


## The closing meeting of the project was held


## News and social media posts about the Project

TARSUS SPOR KULÜBÜ TOP BAŞI YAPTI

Halkın Gözü, Kulağı, Sesi
AKKOZA

TARSUS İDMAN YURDU "SEZON HAZIRLIKLARINI TAM GAZ SÜRDÜRÜYOR"

TARSUS TİCARET SANAYİ ODASI MESLEKİ VE TEKNİK ANADOLU LİSESİ'NDEN ULUSLARARASI PROJE

TÜRKİYE EMEKLİLER DERNEĞİ (TUED) AKKOZA MEDYA GRUBUNU ZİYARET ETTİ

ESABİL PAÇAL AKKOZA MEDYA'YI ZİYARET ETTİ

BÜYÜKŞEHİR HALKKART'IN TEMMUZ AYI TUTARLARINI YATIRDI

ekonomim.com

Tarsus TSO Başkanı Koçak:

**Öncelikli meselemiz eğitim**

**Türkiye'nin en öncelikli meselesinin eğitim olduğunu vurgulayan Tarsus Ticaret ve Sanayi Odası (Tarsus TSO) Başkanı H. Ruhi Koçak, özel sektör ve mesleki eğitim kavramlarının birbirinden ayrılamayacağını belirterek, bu bilinçle okullarla çok güçlü iletişim ve koordinasyon içinde olduklarını söyledi.**

Tarsus TSO Mesleki ve Teknik Anadolu Lisesi'nin erasmus proje kapanış etkinliğine katılan Tarsus TSO Başkanı H. Ruhi Koçak, mesleki eğitimin öneminin gün geçtikçe daha iyi anlaşıldığını aktardı. Meslek eğitim ve özel sektörün birbirine doğrudan bağlı iki kavram olduğunun altını çizen Koçak, "Özel sektör olmadan mesleki eğitim, mesleki eğitim olmadan özel sektör olmaz. Hem yeni teknolojileri takip edebilmek hem de iş dünyasına nitelikli iş gücü kazandırabilmek amacıyla bu iki kavram arasında çok güçlü iletişim ve koordinasyon kurmak zorundayız. Memleketin öncelikli meselesinin eğitim olduğu bilincindeyiz. Gerek çatı kuruluşumuz olan Türkiye Odalar ve Borsalar Birliği öncülüğündeki oda/borsalarımız nezdinde, gerekse Milli Eğitim Bakanlığı tarafında birlikte yürüttüğümüz projelerle önemli mesafeler aldık. Tabii yapılacak daha fazla çalışma var" dedi.

**İşbirliği vurgusu yaptı**

Tarsus'ta ekonomik değişimler ve yatırımlarla yeniden bir canlanmanın yaşandığına işaret eden H. Ruhi Koçak, "En çok çaba harcanması gereken konu iş gücünün nitelikli hale gelmesidir. Bunun için de mesleki eğitimle iş dünyasının etkin işbirliği ortaya koyması, bu işbirliğinin sürdürülebilir olmasının sağlanması için önem arz ediyor. Kurduğumuz güçlü iletişimle hem gençlerimizi geleceğe hazırlamak hem de iş dünyasının beklentisini karşılamak zorundayız" diye konuştu.

**TARSUS/EKONOMİ**

19.11.2024 22:15 Instagram

kivancenerji ve tsomtal
TSO MTAL (ticaret ve Sanayi Odası Mesleki ve Teknik Anadolu Lisesi

kivancenerji 1g
TSO MTAL'den Mesleki Eğitimde Yenilik: Temel Çince Eğitim Sınıfı Açıldı!!

Bölgemizin mesleki eğitimde öncü kurumu olan TSO Mesleki ve Teknik Anadolu Lisesi (TSO MTAL), Tarsus TSO destekleriyle Kıvanç Enerji katkılarıyla mesleki eğitimin kalitesini artırmak adına bir ilki başardı!

Eğitimler, hem öğrencilerin hem de

169 beğenme

## Digital news links

https://www.instagram.com/renewableenergy.40/

https://akkozagazetesi.com/tso-mtalden-yenilenebilir-enerji-kaynaklari-alaninda-uluslararasi-bir-proje-daha/

https://tarsustsoeml.meb.k12.tr/icerikler/erasmus-new-applications-in-renewable-energy-technologies-according-to-40-standards-projesinin-acilis-toplantisi_14168722.html

https://tarsustsoeml.meb.k12.tr/icerikler/erasmus-ka2-proje-tanitim-toplantisi-duzenlendi_14168724.html

https://tarsustsoeml.meb.k12.tr/icerikler/proje-bilgilendirme-toplantisi_14166603.html

https://www.gazetemmersin.com/2024/11/tarsusta-cince-kursu-ile-kuresel-vizyon.html?m=1

https://www.tarsusakdeniz.com/haber-tarsusta-cince-kursu-acildi/60183

https://www.tarsus724.com/2024/11/tarsusta-cince-kursu-acld.html

https://www.instagram.com/p/DChNEPlID8M/?igsh=amNtMnJnc3J3N2J3

https://www.sonmanset.com/haber-tarsus-tso-mtalde-anlamli-proje-etkinligi-90197.html

https://www.instagram.com/p/DCOeiOvor9t/?igsh=djR0ODR4ZGk3MnQ0

https://www.instagram.com/kivancenerji/p/DChNEPlID8M/?img_index=1

https://www.ekonomim.com/sehirler/tarsus-tso-baskani-kocak-oncelikli-meselemiz-egitim-haberi-779051#:~:text=T%C3%BCrkiye'nin%20en%20%C3%B6ncelikli%20meselesinin,ve%20koordinasyon%20i%C3%A7inde%20olduklar%C4%B1n%C4%B1%20s%C3%B6yledi.

https://www.tarsustso.org.tr/kocak-oncelikli-meselemiz-egitim/

https://www.instagram.com/p/DCGoyg7NmDr/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFlZA==

https://www.yenisabah.com.tr/tarsus-ticaret-ve-sanayi-odasi-baskani-kocak-egitim-en-onemli-meselemiz/

https://www.mersinportal.com/tarsus/kocak-oncelikli-meselemiz-egitim-h81909.html

https://www.sonmanset.com/haber-ruhi-kocakoncelikli-meselemiz-nitelikli-egitim-90192.html

https://www.tireboluhaber.net/tarsus-ticaret-ve-sanayi-odasi-baskani-kocak-egitim-en-onemli-meselemiz/51028/

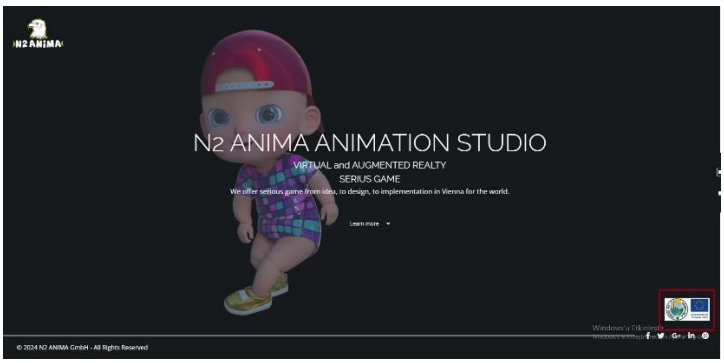
https://x.com/AkkozaMedya/status/1854862194640347518

https://www.mersindesonhaber.com/haber-kocak-oncelikli-meselemiz-egitim-13286

https://www.gaphaberleri.com/haber/196352/tarsus-ticaret-ve-sanayi-odasi-baskani-kocak-egitim-en-onemli-meselemiz.html

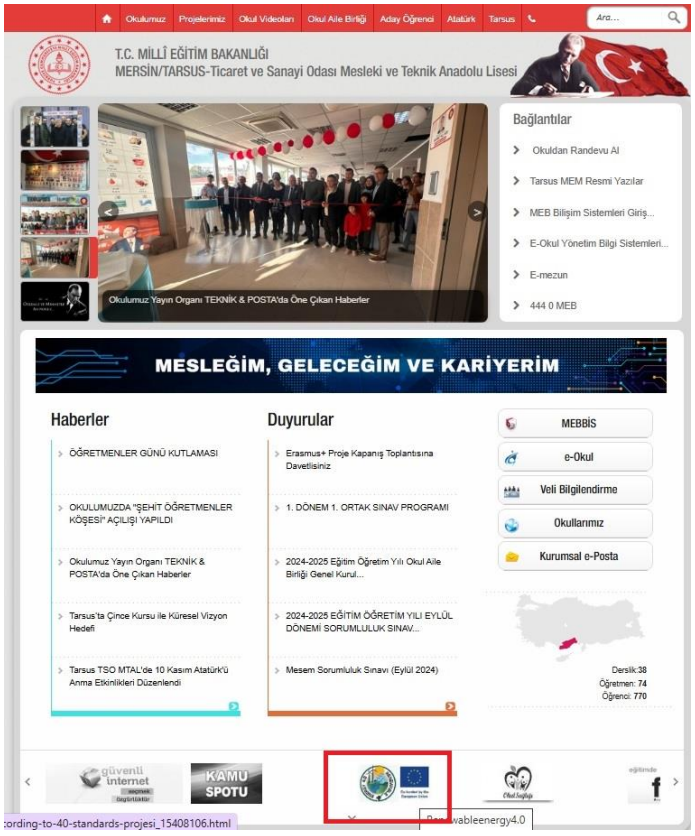
https://www.instagram.com/p/DCOeiOvor9t/?igsh=djR0ODR4ZGk3MnQ0

## Project news sections on partner institutions' websites




N2 Anıma Gmbh (AT)


Eshıa Energıa SL (SE)




Tarsus TSO Vocational and Technical Anatolian High School (TR)

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