



Education for Digitalisation of Energy

Newsletter no.7 – July, August, September 2021

Description and Benefits

EDDIE is a four-year (starting January 2020) Erasmus+ European Union funded collaborative project creating a Sector Skill Alliance (SSA) to develop a long-driven Blueprint for the digitalization of the European Energy sector. The Consortium is coordinated by COMILLAS and brings together 16 partners from 10 EU Countries.

The challenge of the project is to develop a long-driven Blueprint for the digitalization of the European Energy sector to enable the matching between the current and future demand of skills necessary for the digitalization of the Energy sector and the supply of improved Vocational Education and Training (VET) systems and beyond.

Digital Energy Education

Briefly

Title: Education for Digitalisation of Energy

Type of action: Sector Skill Alliance

Topic: EPP-1-2019-ES-EPPKA2-SSA-B

Grant Number: 612398

Total Cost: € 3,995,690.00

EC Contribution: € 3,995,690.00

Start Date: 01/01/2020

End date: 31/12/2023

Duration: 48 months

Project Web Site: www.eddie-erasmus.eu

Key Words: Digitalization, Energy, Education, SSA, VET

Project Coordinator: COMILLAS

With the support of the
Erasmus+ Programme
of the European Union



Project Objectives

1. **Develop** a European Sectoral Skills Alliance
2. **Implement** improved/new qualifications in national VET and beyond systems.
3. **Fostering** the collaboration and mobility among European training centres, universities, and industries.
4. **Provide** a sustainable framework that allows education providers to define and update educational programs responding to industry changes.
5. **Improve** the attractiveness of the Energy sector as a career choice

Concept and approach

The objective of the project to develop a Blueprint Strategy for the Digitalisation of the Energy value chain (BSDE), will be based on the sustainable cooperation between key industry stakeholders, education and training providers, social partners and public authorities. The BSDE is an industry-driven strategy that will meet and anticipate the skills' demands for the sustainable growth and digitalisation for the European Energy sector. This new strategic approach will reinforce the competitiveness of the European Energy Sector in an efficient and innovative way by creating a highly skilled workforce.

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EDDIE at the " GROWING THE ENERGY TRANSITION " Plantone Conference"

EDDIE project participated in the PLATform for Operation of distribution NETWORKS (PLATONE) Project Midterm Conference entitled "GROWING THE ENERGY TRANSITION" virtually organized on 14 and 15 September by Plantone consortium and our partners E.DSO and RWTH has been also involved. Above 180 participants joined the Virtual Conference and contributed to the important discussions. "Growing the Energy Transition" by PLATONE is an Event that aimed to boost knowledge sharing, know-how and expertise by discussing key topics of the present global transformation of the Energy Sector. "Growing the Energy Transition" Day 1 highlighted the Future of Flexibility and Digitalisation. After a short input from the speakers, PLATONE Conference created an interesting dialogue that enabled an active discussion between the Participants, Speakers and the Project itself. In addition, participants were able to interact with the Italian PLATONE Demonstration.



Tue, 14.9.2021, 13:30 Uhr

Online conference

Organizer: Platone consortium

DAY 1: 14 September 2021

Future of flexibility and digitalisation

Moderation: Prof. Antonello Monti, *RWTH Aachen*

DAY 2: 15 September 2021

Strategies for consumer & citizen engagement and LECS in the energy transition

Moderation: Ludwig Karg, *B.A.U.M. Consult*

Day 2 underlined the "Strategies for Consumer and Citizen Engagement in the Energy Transition".

To manage the Energy Transition, Distribution System Operators (DSO) require innovative tools. Volatile Renewable Energy Sources in combination with less predictable consumption patterns call for higher levels of observability and exploitation of flexibility. While these two challenges are traditionally treated with separate means, PLATONE proposes an innovative approach to a joint data management for both.

[More details](#)

EDDIE Interviews Serie: online video conversation with guests from DNV partner.

The interview series of EDDIE project continued with guests from DNV partner.

EDDIE Interviews

“The regulatory and institutional field is committed to the path of decarbonization. An opportunity opens for companies to be part of the solution. To reduce or eliminate your carbon emissions associated with your operations, companies must first analyse their main risks related to climate change, also calculate the base year and the amount of emissions in a reliable manner”

RICARDO ÁLVAREZ MUIÑA
 RICARDO ÁLVAREZ MUIÑA – DIGITAL ASSURANCE AND SUPPLY CHAINS OPERATIONS MANAGER

“The focus regarding the gaps (between the current and future demand of skills necessary for the digitalisation) should be on the customer integration. For this we will need new skills, new providers and new solutions that I know the technology companies are developing and who will be implemented in the future”

SANTIAGO BLANCO
 SANTIAGO BLANCO – EXECUTIVE VICE-PRESIDENT AND REGIONAL DIRECTOR IN ENERGY SYSTEM

Education for Digitalisation of Energy **DNV**

Interview hosted by **CRE**
 Centrul Român al Energiei

With the support of the Erasmus+ Programme of the European Union

The interview series of EDDIE project continued in 2021 with guests from DNV partner. The representatives of the global quality assurance and risk management company DNV, Santiago Blanco - Executive Vice-President and Regional Director in DNV'S Energy Systems Area, covering Southern Europe, Middle East, Latin America and Africa and Ricardo Alvarez – Digital Assurance and Supply Chains Operations Manager, shared their ideas and vision related to digital solutions in the energy systems business area, training and certification services, skills demand and risks evaluation.

[More details](#)

EDDIE Project participated at the “The Truth about Sector Coupling” - Workshop

EDDIE Project participated at the “The Truth about Sector Coupling” Workshop on 20 September jointly organised by E.DSO, the Association for European Distribution System Operators, and GD4S, Gas Distributors for Sustainability. This webinar aimed to encourage and extend the debate on sector coupling and its challenges by exploring new and innovative ideas and technologies which could facilitate the coupling of the electricity and gas sectors.

One main idea from the presentations of the workshop mention digitalisation as an mandatory enabler to a smarter system, in the context of a European Union framework that ease and incentivize interaction between the electricity, gas, buildings, transport, and industry through relevant technologies.



[More details](#)

EDDIE Consortium publishes monthly blogs addressing emerging technologies, for the digitalization of the energy sector.

Every month of the project, blog posts will describe the latest technologies in energy sector also related to digitalization of the energy sector. For a successful yet practical way of interacting with the stakeholders and public, all blogs will be posted on EDDIE website under a dedicated page with references to LinkedIn and Twitter.



Latest topics include “STAR Project: a Global Benchmark in Smart Grids Deployment”, “Local Electricity Markets Bring Together Supply and Demand Locally”, “Creative Destruction of Jobs in the energy Sector – EDDIE Project”.

[More details](#)

EDDIE Project started a new topic on the News website category on “Policy Briefs”.

The EDDIE Project started a new topic news on its website addressing relevant policy briefs for the energy sector. The main objective consists in informing the interested audience about critical subjects regarding energy, digitalization, skills and competences, etc., under the format of a summary.

Until the present moment the following titles are available: “EDDIE Project Welcomes the Recognition of the Central Role of Education and Training for the Green Economy, within the EC Communication on the - FIT FOR 55”, “European Commission Pact for Skills in the Context of EDDIE Project” and “The New Digital Education Action Plan.”

The first policy brief mention that the EC published a communication on July 14th to reach climate neutrality by 2050 where is also reconfirming the importance of the professional education and training in the green transition. EDDIE project is thus encouraged to continue his work at high standards.

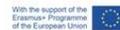
On the second policy briefs it is addressed the leading action for the European Skills Agenda, the Pact for Skills, where national, regional, and local authorities, social partners, cross-industry and sectoral organizations, education and training providers and, employment services have a key role to play. The aim and objectives of The Pact are for concrete actions and join forces to upskill and reskill people in Europe in the context of supporting the goals of the Green Deal and digital transitions of the EU Industrial and SMEs strategies.



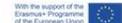
Fit for 55



Pact for Skills



Digital Education Action Plan



The third policy brief focus on a new Action Plan addressing the longer-term digital change in education and training: the new Digital Education Action Plan (DEAP) is a key enabler to achieving a European Education Area (EEA) by 2025. The priority areas and actions outlined in the Action plan are the following: “Fostering the development of a high performing digital education ecosystem” and “Enhancing digital skills and competences for the digital transformation”.

This topic is particularly relevant for the EDDIE project which aims at fostering the digital transformation in the Energy sector though the creation of an integrated education ecosystem.

[More details](#)

EDDIE Project writes “Do you know about the leading factors of the skill shortage in the energy sector?”

EDDIE Project started a new website category on “WPs assessments and conclusion” and the first subject treated is “Do you know about the leading factors of the skill shortage in the energy sector?”.

The Energy Industry is changing and adapting to new trends and technologies due to the current digitalization of the sector. As every other sector, transformation is necessary to ensure the sector's continuity in the future.

As the energy transition advances, so do the challenges faced by the relevant stakeholders in the sector. It is important to understand that skill gaps must be addressed by both businesses and education centers in order to avoid future problems.

A study done by Brunel reflects the leading factors of the skills shortage:

1. Aging workforce
2. Lack of skilled staff
3. Insufficient education and training

More about the subject can be found on the website.

[More details](#)

EDDIE members collaborated for a new report on the digitalization of electricity distribution networks.



EDDIE members collaborated in the elaboration of a new report about the digitalization of electricity distribution networks and attended the webinar where their results were presented. The report proposes innovative indicators to measure the degree of digitalization in different countries or in several distribution system operators. These indicators are classified according to their topic, namely:

1. sensors and actuators
2. connectivity
3. data processing and
4. digital culture of the distribution system operator.

The report also identifies the skills gaps and the challenges in education to address the digitalization of distribution networks, taking into account information collected in EDDIE.

[More details](#)

EDDIE Project will participate at the EU Sustainable Energy Week (EUSEW) 2021

The EU Sustainable Energy Week (EUSEW) is a month-long series of activities to build a secure energy future for Europe. It brings together public authorities, private companies, NGOs and consumers to promote initiatives to save energy and move towards renewables for clean, secure and efficient power. Launched in 2006 by the European Commission, EUSEW was organised by the Executive Agency for Small and Medium-sized Enterprises (EASME) until 31 March 2021, and as of 1 April 2021 is organised by the European Climate, Infrastructure and Environment Executive Agency (CINEA), in close cooperation with the Directorate-General for Energy. EDDIE Project will be part of EUSEW 2021 within a policy session in collaboration with DG ENER.

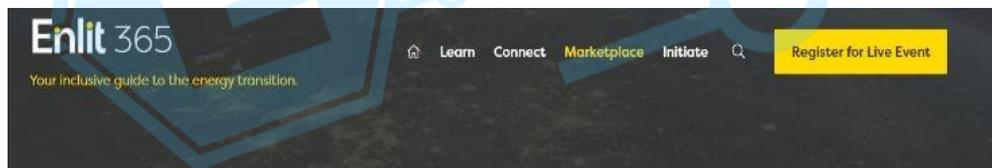
25-29 OCTOBER 2021
EU SUSTAINABLE ENERGY WEEK
 TOWARDS 2030: RESHAPING THE EUROPEAN ENERGY SYSTEM



#EUSEW2021

[More details](#)

EDDIE Project will participate at the EU Sustainable Energy Week (EUSEW) 2021



We are happy to announce that **EDDIE Project is now part of Enlit Europe online community** together with other successful projects. This is another opportunity to get in touch with the consortium.

[More details](#)

EU Projects at Enlit Europe

If you want to be part of the Enlit Europe online community and interact with these projects, other exhibitors and our community members - your industry peers, [check out how you can join here.](#)

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Education for Digitalisation of Energy
 EU Projects



EDDIE project consortium

