

Best Practices for VET

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EDDIE Consortium

After a comprehensive examination of various interventions that have been implemented in the field of VET provision in relation to the energy transition and digitalization, 6 Best Practices were identified in deliverable D4.2. These best practices provide an analysis of the most innovative and successful approaches that have been implemented in the field and can serve as a model for future interventions. In order to identify strategies and methodologies that can give valuable insights for future practices, there was an analysis of the success factors and scalability of each Best Practice, that resulted in a strong connection to the industry.

Best Practice	Organization	Objectives	Practice
The electricity and energy programme	Swedish National Agency for Education	Upskilling workforce related to energy digitalization in order to improve employability in the sector	<ol style="list-style-type: none"> 1. Relevant and up-to-date curriculum: automated production systems, energy and environmental technologies etc. 2. On-the-job training and practical skills 3. Strong industry partnerships
VET program for Automation Technicians	Burckhardt Compression AG	Workforce upskilling with on-the-job training in energy digitalization	<ol style="list-style-type: none"> 1. Strong emphasis on digital tools and solutions 2. Collaboration with industry/research stakeholders 3. On-the-job training and practical skills
Vilnius Vocational Training Centre of Technologies	Vilnius Vocational Training Centre of Technologies (VTMC)	Knowledge transfer between industry and academia in energy digitalization	<ol style="list-style-type: none"> 1. Active modernization of practical training opportunities to align with industry needs. 2. Strong partnerships and networks with local companies, other VET providers, and universities, 3. Sector-based practical training centres.
Dual VET training system (GE)	Germany	Practical workforce upskilling of professionals	<ol style="list-style-type: none"> 1. Strong industry partnerships 2. Hands-on training and practical expertise combined with theoretical classes. 3. Customized learning that is tailored to the

			needs of the energy and digitalization sectors
Schneider Electric	Schneider Electric SE	Promote the continuing vocational education and training of workers in technical occupations	<ol style="list-style-type: none"> 1. Customized solutions that are fully tailored to the needs of the company's electrical distribution system. 2. Utilizes digital simulators and virtual scenarios to provide trainees with hands-on experience and practical skills. 3. Collaboration with industry/research stakeholders, which ensures that the training remains relevant and up to date with the latest industry trends and practices
EnerTracks	Agora Energiewende and RENAC	Foster knowledge transfer in energy digitalization	<ol style="list-style-type: none"> 1. Tailored to address the current challenges and opportunities in the energy transition field. 2. Interactive and Multi-disciplinary Training: group discussions, project work etc. 3. The programme uses digital tools and technologies such as virtual study tours, online learning modules, and digital platforms for communication and collaboration.

Good Examples for VET

Due to the limited number of references on the exact subject of energy digitalization, and in order to expand our research and provide a more comprehensive view, some Good Examples are also presented and analyzed in the next section as good examples and success stories. They also provide valuable insights on methodology and important lessons learnt that can be applied in the VET sector. To clarify how relevant those examples are to energy digitalization, their focus is mainly on the broader concept of energy transition and take well into consideration the context of digital transformation.

Program Name	Organizer	Objectives	Topics	Target
From Stump to Boiler (FI)	REDU	Workforce upskilling in the bioenergy sector	Provision of VET education in alignment with the needs of the sector Dedicated structure for combination of traditional training with work-based learning	Young people & VET learners
Towards near Zero-Energy Buildings (nZEB) Training in the Southern EU countries (EL)	SouthZEB project	Professional upskilling of construction professionals to align with the updated EU Directives on nZEB buildings	Provision of VET education in alignment with the needs of the sector Job growth stimulation Upskilling and reskilling of the workforce in the construction sector	Building Professional s/ developer companies, including all intermediate and senior professionals (engineers, architects, municipality employees) in the Southern European countries.
Geothermal and Solar Skills-GSS-VET (EL)	GSS-VET project	Design and deliver a demand-driven Vocational and education training for Geothermal, Photovoltaics and Solar Thermal energy systems installers	Provision of VET education in alignment with the needs of the sector	Plumbers and electricians, as well as specialists with technical background aged 16+ years willing to work as geothermal & solar systems' installers
NE(W)AVE-Renewable e-VET Learning (EL)	NE(W)AVE project	Test and implement a comprehensive learning model for the future professionals in the renewable energies. Contribute to increasing the employability and inclusion of NEETs and VET learners developing VET business	Enhance employability of VET learners in the field of renewable energy	• VET learners VET trainers and providers

		partnerships in the renewable energy field based on work-based learning	Professional development of VET trainers	
CraftEdu (SK)	CraftEdu project	Development of innovative qualification and VET schemes for craftsmen and on-site workers in the field of energy efficiency and use of renewable energy sources in buildings	Reskilling of the workforce in the field of renewable energy sources Provision of VET in alignment with the needs of the sector	VET learners, craftsmen and on-site workers
Education close to zero energy constructions: "Energy lift" (SE)	Swedish Energy Agency	Preparation of the construction sector for future requirements for near-zero energy buildings (NNE standard)	Reskilling of the workforce in the field of renewable energy sources Provision of VET in alignment with the needs of the sector	VET learners, construction workers
Improve Skills and Qualifications in the Building Workforce-WE-Qualify (CY)	WE-Qualify project	Promote the continuing vocational education and training of workers in technical occupations in the Construction sector, as well as other relevant sectors related with the installation and maintenance of energy saving and renewable energy systems	Provision of VET education in alignment with the needs of the sector Job growth stimulation	Workers in technical occupations related to energy saving and renewable energy systems
VET4LEC- Inclusive Vocational Education and Training for Low Energy Construction (Multi-Country, including Finland, Slovenia and Spain)	VET4LEC	Development of a trans-European network for VET in low energy construction	Upskilling and reskilling schemes applicable across the EU Integration of the curriculum into VET provision	<ul style="list-style-type: none"> VET learners Professionals in the construction sector