

CURRICULUM VITAE

1. **Family name:** *Pertko*
2. **First names:** *Pavlo*
3. **Date of birth:** July 10, 1986
4. **Nationality:** Ukrainian
5. **Civil status:** married
6. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
National Technical University of Ukraine «Kiev Polytechnic Institute» 09/2006 – 06/2010	The electrical engineer, qualification – the bachelor electrical engineers.
National Technical University of Ukraine «Kiev Polytechnic Institute» 09/2010 – 06/2012	Energy management, qualification – Master's Degree, Professional Researcher in Energy Management

7. Training:

11/2013 – 11/2013 Bureau Veritas, Kyiv, Energy Management Systems Auditor/Lead Auditor Training Course (based on ISO 50001:2011) – **Certificate of Successful Completion - Lead Auditor**

12/2013 – 12/2013 TUV NORD Ukraine, Donetsk, Expert on the requirements of ISO 50001 – **Certificate of Successful Completion - Energy Management System Expert**

07/2015 – 11/2016 UNIDO, UKR IEE Project «Introduction of Energy Management System Standard in Ukrainian Industry» Ukraine, Kyiv «UNIDO Energy Management System Expert Level Course» – Certificate of Successful Completion - Energy Management System Expert

03/2017 UNIDO, UKR IEE Project «Introduction of Energy Management System Standard in Ukrainian Industry» Ukraine, Kyiv, «The ISO 50001 Bridging Training Programme for Lead Auditing» – Certificate of Successful Completion - Lead Auditor

07/2017 UNIDO, UKR IEE Project «Introduction of Energy Management System Standard in Ukrainian Industry» Ukraine, Kyiv, «Energy Management System Training of Trainers National trainer on Energy management system based on ISO 50001» – Successful Completion «National trainer».

10/2017 – 05/2018 European EnergyManager (CCI), EUREM, Ukraine, Kyiv , 236 teaching units, European EnergyManager – Certificate of Successful Completion – European EnergyManager.

8. Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Ukrainian(native)	5	5	5
Russian	5	5	5
English	4	3	3

9. Experience in the field of EnMS:

- Creating and implementation energy management systems – 20 companies.
 - Internal/external audit of energy management systems - 25 companies.
 - Training of personnel for the implementation of support and improvement of energy management systems – more than 400 listeners.
 - Training of internal auditors of energy management systems - more than 100 listeners.
- UNIDO National Trainer for Energy Management Systems.
EUREM trainer, Ukraine, European Energy Manager course.

10. Present position: Director of «ENERGOMANAGEMENT PRO» LLC

11. Professional experience: 9 years

12. Key qualifications:

- Energy Management, creating and implementing Energy Management System according to ISO 50001 (National trainer UNIDO)
- Conducting seminars and presentations on energy management and energy efficiency
- Energy audit
- Consultancy in Energy Efficiency and CO₂ emission reduction
- Measurement, monitoring and control of energy consumption parameters of equipment.
- Comprehensive studies in the industrial and municipal sectors in the context of energy management, energy efficiency and environmental impact
- Energy monitoring
- Creating energy efficiency programs and planning and implementation of EE measures

13. Professional Experience Record in EnMS:

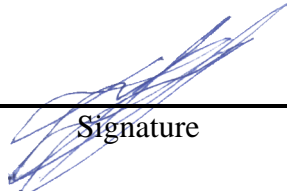
Dates	Location	Company	Position	Description
2018 – to date	Ukraine	EUREM	National trainer	Preparation training on the topic: «Practical aspects of implementing the energy management system in the company».
2018 – to date	Ukraine	UNIDO	National trainer on ISO 50001	Conducting training based on ISO 50001. Training national experts.
12/2013- to date	Ukraine	ENERGO-MANAGEMENT PRO LLC	Director, Lead expert on development and implementation energy management system	1. UNIDO UKR IEE Project “Introduction of Energy Management System Standard in Ukrainian Industry” (from 07/2016 to date): <ul style="list-style-type: none"> ▪ Conducting seminars and training in energy management. Training of trainers and auditors of the energy management system. ▪ Comprehensive studies on energy efficiency at industrial enterprises in Ukraine. 4. Creating and implementation energy management systems based on ISO 50001 for: ASTARTA HOLDING N.V., on: Novoorzhysky sugar plant Globyno bioenergy complex.
12/2013- to 12/2017	Kazakhstan	Kazakh Ecological Group, LLC mail@kazecogroup.kz	Lead expert on energy management	Implementation of energy management systems based on ISO 50001. <ul style="list-style-type: none"> ➤ Stepnogorsk Bearing Plant OJSC – 1 plant. ➤ Crystal Management LLC – 1 GTPP. ➤ PAVLODAR-ENERGO JSC – 3 CHP ➤ KAZAKHMYS CORPORATION LLP. – 9 copper mines and 4 mining enrichment factories.
03/2012 – 10/2012	Ukraine	Institute for Innovative Development Society, LLC/ Interdisciplinary Research Centre Management and Innovation, LLC	Expert on energy manager	Creating a concept of implementation of energy management systems based on ISO 50001. Audits of 5 enterprises: <ul style="list-style-type: none"> 3 - CHP 2 - Copper smelting plant.

14. Professional Experience Record in energy efficiency:

Dates	Location	Company	Position	Description
2020 -	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy Efficiency Expert	Updating and approving the implementation plan for the installation of the energy monitoring systems (EMS) with the Companies representatives. Supporting additional activities associated with installing EMS in companies upon the request of GIZ. Providing the quality check of Ukrainian translation and designer's version of the user oriented EEMon Guidebook developed by international consultant of GIZ. Providing additional content relevant to be added into the Practical Guidebook for Installation of EMS in Companies.
2020	Ukraine	Project Management Unit UNIDO / GEF UKRIIE	Energy Efficiency Expert	Preparation of materials and speech at the conference "Energy Efficiency Loan Guarantee Fund: how does it work?"
2020	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy Efficiency Expert	Provision of general data and information from selected companies such as production figures and turn-over. Selection of companies for documentation of best practices of energy modernization in industry for dissemination with focus on cross-sectoral energy saving measures in the subsectors heating, ventilation and air-conditioning, heat distribution, air-compressor electric devices and others; Preparation of up to 6 factsheets on cross-sectoral energy saving measures in collaboration with the assigned designer team. Design of a master template in English and Ukraine, presentation of master version and derivations to the project team. Completion of factsheets taking into account improvements from the project team. Providing analytical information on potential energy performance indicators for energy efficiency monitoring within proposed Monitoring Concepts for 8 companies
2020	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy Efficiency Expert	Showing the economic feasibility of EE measures through pilot projects Capacity development of decision-makers and managers of enterprises Developing incentive structures and financial support programs for companies.
2020	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy Efficiency Expert	Providing the quality check and suggesting improvements for the EA Practical Guidebook. Supporting maintenance, processing and analyzing metadata for calculation of baseline, estimation of energy saving potentials and GHG emission reductions for Project's results. Processing and analysis of data for various Project's activities including advice to the political and implementation partners.
2019 – 2020	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy Efficiency Expert	Expert Advisory to energy data gathering, meta-analyses and generation of reports based on 65 Energy Audits reports in Ukrainian Industries
2019	Ukraine	Deutsche Gesellschaft für	Energy efficiency Expert	Analysis of information of the responses of 130 enterprises provided by GIZ. Preparing

		Internationale Zusammenarbeit GmbH (GIZ)		analytical information for the development of presentation "Rating of incentives and barriers for improving the energy efficiency of industrial enterprises: opinion of companies"
2019 - 2020	Ukraine	DTEK ESCO (YASNO ENERGYEFFICIENCY)	Project Manager. Lead energy auditor	Conducting 5 energy audits (investment grade) of the machine-building enterprises.
2019	Ukraine	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)	Energy efficiency Expert	Processing and conducting analysis of energy consumption and typical energy saving measures of the enterprises of the machine-building industry, with the formation of analytical materials
2018-2019	Ukraine	DTEK ESCO	Project Manager. Lead energy auditor.	Conducting energy audits on 5 machine-building plants. Processing and conducting an analysis of energy consumption and typical energy saving measures. Taking measurements of energy consumption of chosen systems.
2018 – to date	Ukraine	EUREM	National trainer	Preparation training on the topic: «Legislation in the field of energy saving and energy efficiency». Preparation and conduct training on the topic: «Economic efficiency of energy saving projects».
2017	Ukraine	DTEK ESCO	Project Manager. Lead energy auditor.	Conducting energy audits 5 TPPs. Processing and conducting an analysis of energy consumption and typical energy saving measures. Development of a report with energy-saving measures.
12/2013- to date	Ukraine	ENERGO-MANAGEMENT PRO LLC	Director, Lead expert	1. USAID Municipal Energy Reform in Ukraine (from 08/2014 to 04/2018): Preparation National Report on energy Efficiency and Energy Saving of Ukraine. Take a part in conducting more than 80 energy audits of municipal buildings at Slavyansk, Kramatorsk Krasny Liman Svyatogorsk city Artemivsk, Yuzhne, Khmelnytskyi.
12/2013- to 12/2017	Kazakhstan	Kazakh Ecological Group, LLC mail@kazecogroup.kz	International consultant, Energy Auditor,	Conducting above 50 energy audits and take a part on energy auditors group for industrial enterprises (including copper smelters, HPP, machine building and mining and processing enterprises and about 150 industrial buildings) in Kazakhstan; Developing recommendations on implementation of energy saving measures. Comprehensive studies on energy efficiency at industrial enterprises in Kazakhstan.
03/2012 – 10/2012	Ukraine	Institute for Innovative Development Society, LLC/ Interdisciplinary Research Centre Management and Innovation, LLC	Energy audit manager	Assessment of energy saving measures and greenhouse gas emissions reduction for industrial enterprises in Kazakhstan; Developing recommendations on implementation of energy saving measures and energy management systems for industrial enterprises in Kazakhstan.
01/2011 to 05/2011	Ukraine	National Technical University of Ukraine «KPI»	Expert	Definition of key parameters of power supply of national economy for the period till 2020 The analysis of key tendencies in power supply of the country and definition of main principles for its stabilization in the long term.

Pavlo Pertko
Name of expert



Signature

18/01/2021
Date