

CURRICULUM VITAE

1. **First names:** Victor
2. **Family name:** CHIPAR
3. **Date of birth:** 02 august 1980
4. **Nationality:** Republic of Moldova
5. **Place of residence:** 38/1 Drumul Viilor str., app. 144
6. **Civil status/
Children with date of birth:** Married/ 3 daughters

7. Education:

INSTITUTION [DATE FROM – DATE TO]	DEGREE(S) OR DIPLOMA(S) OBTAINED
1997-2002	Diploma of Engineer, Energy engineering
2002-2006	Diploma of Accountant, Accounting and Auditing
2021-present	Energy audit for buildings - grade I, Technical University of Cluj-Napoca, Romania

8. Language skills: Indicate competence on a scale of 1 to 5 (1 – excellent; 5 – basic)

LANGUAGE	READING	SPEAKING	WRITING
Romanian		mother tongue	
Russian	1	1	1
English	2	3	2
German	3	4	3

9. **Membership of professional bodies:** Energy auditor, registered in the Electronic Register of Energy Auditors according to Order 1/AE of 01.12.2020 issued by the Agency for Energy Efficiency, category Buildings, Industry and Transport
10. **Other skills:
(e.g., computer literacy, etc.)** Acquainted with MS Office (Word, Excel, Power Point), AutoCAD, SCADA, etc.
11. **Present position:** Founder, Main Energy Auditor, Energy, Water and Climate Expert
12. **Years within the firm:** 10
13. **Trainings, seminars and workshops:**

10-11/2005	Gubkin Russian State Oil and Gas University (Moscow/Russia) <ul style="list-style-type: none"> Detailed study of gas processing plants.
09/2012	<ul style="list-style-type: none"> Regional program SYNENERGY (Chisinau/Moldova) Training of trainers in the field of energy management for public sector
10/2012	YEGM – JIKA – TIKA (Ankara/Turkey) <ul style="list-style-type: none"> Third Country Training Program on Energy Efficiency&Management in Industry
03/2013	New INOGATE Technical Secretariat Project (Chisinau/Moldova) <ul style="list-style-type: none"> Workshop on Industrial Energy Audit Analysis for Bankable Projects
07/2013	Energy Efficiency Agency, Ministry of Economy of Republic of Moldova <ul style="list-style-type: none"> The training on making energy audit
21 academic hours for an instruction module, during 2014	Development Organization for Small and Medium Enterprises Strategic planning business; Financial management, including the management of borrowed resources; Marketing online; Procedures for participation in European projects; Managing time effectively; Effective sales techniques and merchandising; Labor law and human resources management; Foreign economic activity and customs relations; Registering as a VAT payer and law enforcement matters
07/2014 02/2015 07/2017	Small Business Support Team, European Bank for Reconstruction and Development, Funded by Sweden (Chisinau/Moldova) <ul style="list-style-type: none"> Industrial Energy Efficiency – basic level Industrial Energy Efficiency – intermediate level Marketing and sales for Consulting

04/2018	Turin School of Regulation (Turin, Italy) <ul style="list-style-type: none"> • EU Energy Efficiency certification systems and quality standards • EDICLIMA Software
05/2021 – 02/2022	Technical University of Cluj-Napoca (Cluj-Napoca, Romania) <ul style="list-style-type: none"> • Energy audit for buildings

14. Key qualifications (relevant to the assignment):

- Industrial and Buildings Energy Auditing.
- European and national policies and regulations on the implementation of buildings with almost zero energy consumption.
- Review, evaluation, technical and economic comparison of energy efficiency projects in the period of development, implementation and operation.
- Cost / benefit analysis, asset life cycle analysis, optimization of operational costs and risk reduction of energy efficiency projects.
- Knowledge of quality policies and regulatory arrangements in construction, including the life of the project.
- Project management regarding the quality control procedures of materials / works taking into account the concerns of the community.
- Assessment, analysis and description of the environmental feasibility of the project.
- Development and implementation of energy management at design stages or existing objects.
- Thermal and electrical energy production, district heating plants (industrial and district heating boilers, steam turbines, gas turbines and internal combustion engines), automation and MCD (measuring and control devices).
- Experience in analysis, development and evaluation of technical documents (heat, refrigeration, gas&oil, ventilation and air conditioning supply of buildings, water supply and sewerage, technological treatment of domestic, technical and waste water).
- Evaluation of the technical and economic feasibility, energy efficiency of technical projects in buildings, in street lighting, installations for the production of thermal or electrical energy from renewable energy sources, water supply and sewerage.
- Risk analysis regarding technogenic disasters, implementation of plans for liquidation of possible damages and disasters.
- Analysis, evaluation and selection of technologically advanced materials, long-term sustainable, with possibilities for material reuse and waste recycling after the period of use / exploitation.
- Installation and commissioning, operation of industrial installations, including CO_x, NO_x and H₂S reduction installations.
- Training in energy efficiency, installations for the production of energy from renewable energy sources and the legislation in the respective field.

15. Specific experience in the region:

COUNTRY	DATE FROM – DATE TO
Republic of Moldova	December 2000 – December 2002
Republic of Kazakhstan	December 2002 – October 2009
Republic of Moldova	January 2010 – December 2018
Germany	January 2019 – February 2020
Republic of Moldova	March 2020 – present

15. Professional experience:

DATE FROM – DATE TO	LOCATION	COMPANY	POSITION	DESCRIPTION
Dec. 2000 – Dec. 2002	Chisinau	Central Heating Plant nr.1	Machinist 3rd category Machinist 4th category	<ul style="list-style-type: none"> Thermal and electrical energy production. Exploitation of technological equipment (boilers, turbines, pumps, etc.)
Dec. 2002 – Jul. 2006	Opornaia, Kazakhstan	ASCOM GROUP Kazakhstan, LLP "TolkinNefteGaz"	Engineer of installation of gas treatment and gas condensate	<ul style="list-style-type: none"> Installation and maintenance of electrical equipment Installation and technical maintenance of regulation, measuring and control equipment Installation, start-up, adjustment and operation natural gas drying (3 mln m³/per day) and gas condensate stabilization. Exploitation of technological equipment (boilers, separators, pumps, generators, compressors etc.), maintenance and repair of UKPG equipment.
Aug. 2006 – Jan. 2009	Opornaia, Kazakhstan	ASCOM GROUP Kazakhstan, LLP "TolkinNefteGaz"	Deputy Chief Gas Processing Plant	<ul style="list-style-type: none"> Installation, start-up, adjustment and operation natural gas (7 mln Nm³/day) drying and gas condensate stabilization. Exploitation of technological process and equipment (boilers, separators, pumps, generators, compressors etc.) Organize the operation, maintenance and repair of the UKPG equipment
Jan. 2009 – Oct. 2009	Opornaia, Kazakhstan	ASCOM GROUP Kazakhstan, LLP "TolkinNefteGaz"	Chief of Gas Processing Plant	<ul style="list-style-type: none"> Natural gas drying and gas condensate stabilization. Exploitation of technological process and equipment (boilers, separators, pumps, generators, compressors etc.) Organize the operation, maintenance and repair of the UKPG equipment Accounting and Personal Management
Jan. 2010 – Apr. 2010	Chisinau	Rohe Service	Electrical Engineer	<ul style="list-style-type: none"> Creation of electrical service, maintenance and repair of technological equipment network at petrol stations ICS "Petrom Moldova" Materials accounting and Personal Management
June 2010 – May 2011	Chisinau	IMC Market	Chief - engineer	<ul style="list-style-type: none"> Exploitation of technological equipment (boilers, pumps, generators, refrigeration compressors, energy facilities, elevators, water supply systems and sewerage systems, etc.) Organize the operation maintenance and repair of network equipment, Energy Efficiency and Energy management
May 2011 – April 2019, Jan. 2022 - present	Chisinau	Individual enterprise „Chipar Victor”	Founder, Project Engineer	<ul style="list-style-type: none"> Installation and maintenance of electrical equipment for public and industrial enterprises Installation and maintenance of equipment for regulation, measurement and control of industrial enterprises Controller programming Commissioning of newly installed or repaired equipment Installation of photovoltaic panels and solar collectors for domestic hot water Consulting and equipment sales
Sept. 2011 – July 2013	Chisinau	Energy Efficiency Agency, Ministry of Economy of Republic of Moldova	Main specialist Service energy audit, authorization and inspection	<ul style="list-style-type: none"> Creating the energy audit system in the Republic of Moldova Elaboration, endorsement and presentation for approval of the draft normative acts regarding the regulation of the activity in the field of energy efficiency and renewable energy sources. Ensuring the authorization procedure of energy auditors Ensuring the verification of compliance with specifications and energy audit reports Provides consultative and informational assistance to energy service companies, energy managers, economic agents, as well as individuals working in the field of energy audit. Trainings to promote energy audit methods and practices, participation in the process of organizing seminars, conferences and exhibitions

DATE FROM – DATE TO	LOCATION	COMPANY	POSITION	DESCRIPTION
July 2013 – dec. 2018	Chisinau	DUMIT GRUP Consulting LTD	Main Energy Auditor	<ul style="list-style-type: none"> Industrial and Buildings Energy audit, consulting (over 300 energy audits for buildings and 11 energy audits of public lighting systems were carried out) Technical supervision of project implementation Evaluation of the technical and economic feasibility of the projects regarding the Solid Waste Management in Anenii Noi, Telenești, Iargara, Razeni.
July 2013 - present	Chisinau	ACGV Energoexpert Service LTD	Founder, Administrator, Main Energy Auditor	<ul style="list-style-type: none"> Industrial and Buildings Energy audit, consulting (365 energy audits for buildings, 14 energy audits of public lighting systems and 5 energy audits of industrial were carried out), over 300 projects have been implemented throughout the country. Technical supervision of project implementation. Evaluation of the technical and economic feasibility of the projects regarding the Solid Waste Management in Anenii Noi, Telenești, Iargara, Razeni. For GIZ, energy audits were performed on the objects: <ul style="list-style-type: none"> Dimitrie Cantemir Theoretical High School, Bălți municipality Iurie Boghiu Theoretical High School, Flămînzani commune, For the ESCO Project, 12 energy audits were carried out for buildings, of which 3 objects also included assessments from the industrial sector. For the NEFCO Project, 10 energy audits for buildings and 2 street lighting systems. technical and economic evaluations of were performed. Technical evaluation of investment projects in the field of Energy Efficiency and Renewable Energy Sources (17 projects evaluated for implementation) Energy audit and technical evaluation of investment projects in the field of domestic water supply systems and sewerage systems at city level SA Apă-Canal Edineț (Edineț and Cupcini) Technical supervision of project implementation Support and participation of training courses Energy Efficiency Agency
March 2018 – Sept 2020	Chisinau	GFA Consulting Group, Germany	Short – term expert	<p>GIZ-project “Modernization of Local Public Services in the Republic of Moldova”</p> <ul style="list-style-type: none"> Elaboration of the Local Action Plan in the field of Energy Efficiency for the years 2019 - 2021 for Singerei District. Implementation of energy efficiency solutions to reduce energy consumption from fossil fuels and reduce CO_x, NO_x emissions. Reducing solid combustion products when burning solid fuel (coal, wood, etc.) Elaboration of the Local Action Plan in the field of Energy Efficiency for the years 2019 - 2021 for Balti municipality. Implementation of energy efficiency solutions to reduce energy consumption from fossil fuels and reduce CO_x, NO_x emissions. Economic, technical and financial evaluation of the Offers regarding the acquisition and contracting of works for the implementation of the project “Increasing the energy efficiency of the building”. Elaborate Sustainability Concepts for 8 Energy Efficiency infrastructure projects.
May 2022- October 2022	Chisinau	Organization for Small and Medium Enterprises Sector Development and UNIDO	Resource Efficient and Cleaner Production (RECP) Expert	<p>The EU4 Environment project facilitates training programs and technical assistance to adopt Resource Efficient and Cleaner Production methodology as a stepping stone for Green Economy in the Republic of Moldova</p> <ul style="list-style-type: none"> Industrial energy auditor. I support the students in carrying out the RECP evaluation following the RECP methodology studied during the training program. Training 15 professional trainees in 15 industrial enterprises. Reports.

16. Other relevant information (e.g. publications):

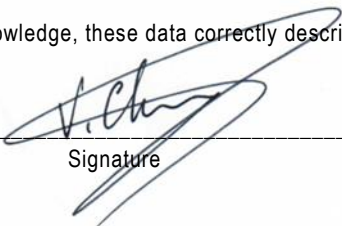
During the years of activity, I participated in the development of normative documents directly.
Government Decision 884 of 12.12.2012 on the Energy Audit Regulation
Government Decision 885 of 27.11.2012 Regulation on the authorization of energy auditors
Government Decision 924 of 12.12.2012 Methodology for calculating the cost of energy audit

I am confirming my attachments to the core values of the United Nations respecting differences of culture, gender, religion, ethnicity, nationality, language, age, HIV status, disability, and sexual orientation, or other status.

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience.

Energy Auditor Victor CHIPAR

Name of expert



Signature

Date