

PERSONAL INFORMATION



Codreanu Constantin

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WORK EXPERIENCE

11/27/2019–Present

LEED National Consultant

UNDP Moldova, Chisinau (Moldova)

Elaboration the Green Design Code in construction

04/02/2018–Present

Metrology engineer

S.R.L. "ADD Technology"

Miron Costin, 5, Chisinau (Republica Moldova)

www.addgrup.com

Testing and certification of appliances and meters

03/18/2016–Present

Chairman of Technical Committee TC-49 „Energy efficiency of buildings”

Moldovan Standards Institute (ISM), Chisinau (Republica Moldova)

www.standard.md

11/26/2015–Present

Chairman of Technical Committee TC-45 „Electrical Power”

Moldovan Standards Institute (ISM), Chisinau (Republica Moldova)

www.standard.md

08/16/2013–Present

Chairman of Technical Committee TC G.02 „Electrical, automation, signaling and telecommunication installation”

Ministry of Economy and Infrastructure, Chisinau (Republica Moldova)

www.mei.gov.md

04/01/2015–Present

Abrasive blasting operator

Center for Energy Efficiency (CEE)

www.cee.md

07/01/2010–07/01/2011

Energy auditor

Moldavian Sustainable Energy Financing Facility MoSEFF (BERD)

09/01/2006–11/25/2016

Associate professor, PhD

Technical University of Moldova, Energetical Department, Chisinau (Republica Moldova)

www.utm.md

- Researcher and teaching duties: courses, seminars, laboratories, technical projects

(Electrical power supply, Energy Efficiency, Sustainability, Ecology, CO2 Reduction in Atmosphere)

09/02/1996–09/01/2006

Senior lecturer

Technical University of Moldova, Energetical Department

12/21/1995–09/02/1996 **Assistant lecturer**
 Technical University of Moldova, Energetical Department

12/20/1992–12/20/1995 **Doctorate**
 Technical University of Moldova, Energetical Department

EDUCATION AND TRAINING

12/20/1992–12/20/1995 **Doctor's degree in engineering, certificate DR 0289** Doctor of Philosophy in Engineering (Ph.D.), EQF 8
 Faculty of Power Engineering, Department of Power Supply, Doctorate Doctoral studies at the Technical University of Moldova, Chisinau (Moldova)

09/01/1983–07/04/1990 **Electrical Engineer. Graduation certificate ПБ nr. 611521** EQF level 6
 Polytechnic Institute Serghei Lazo, (Technical University of Moldova – T.U.M.), www.utm.md Faculty of Power Engineering, Department of Power Supply, Chisinau, nr.78, 31 August str., Chisinau (Moldova)

06/29/1984–05/06/1986 Military degree - Lieutenant,
 Military service
 Military specialty nr. 030406

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B2
Russian	C2	C2	C2	C2	C2
French	B2	C1	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Self-motivated, sociable, responsible, punctual, available to work in different social and multicultural environments, listening, communicating, basic politeness, respectful, assertiveness.

Organisational / managerial skills Well organized, ability to coordinate small, medium and big size teams, negotiation skills.

a) Chairman of TC-G.02 (Ministry of Economy and Infrastructure), TC-45 and TC-49 (Moldovan Standards Institute): organizing the work of technical committees, communicating with local and foreign experts, promoting technical policies in the TC activity in accordance with the tasks and objectives of the construction and energy regulation; organizing TC sessions, adapting national standards and standards to European standards.

b) Director of the Specialized Training Center for Energy (Technical University of Moldova) 18.11.08–

25.11.16 - organization continuous training courses and training's of specialists in the field of electricity. Organizing practical training in computer-aided design of lighting installations using Dialux, Calculux programs within the Moldovan-Romanian partnership 16.03.07-13.04.07 and informative seminars on the problems of modern lighting sources for buildings PHILIPS 20-21.02.2009.

Job-related skills Analytical and problem-solving skills, qualitative and quantitative analysis, monitoring and reporting, attention to details, artistic and creative abilities, drafting skills.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Digital skills - Self-assessment grid

Software knowledge: AutoCad (2D & 3D), Kompas (2D&3D), MagiCad 2020, 3D Max, Adobe Photoshop, Adobe InDesign, Microsoft Office (Word, PowerPoint, Excel, Access, Visio), HTML, JavaScript, web applications.

Driving licence B

ADDITIONAL INFORMATION

Certifications

Certificate of technical and professional attestation:
 (Designer Category C. Electrical installations and networks):
 Series 2018-P nr. 0097, 20.06.2018; series 2018-P nr. 0097, 27.06.2018;
 Design of electrical installations:
 a) High voltage networks, transformers with a voltage below 10 kV;
 b) Low voltage 0.4 kV networks, electrical equipment;
 Experience in designing electronic communications facilities (radio, TV, telephony, etc.).

Certifications

Energy auditor authorizations in power and thermal energy.
 Energy auditing work experience in companies:
 - MoSEFF (Moldovan Sustainable Energy Financing Facility, www.moseff.org),
 - CEE (Centre for Energy Efficiency, www.cee.md)

Publications

a) Edited textbooks:
 1) C. Codreanu „Electrical installation and networks of buildings”, „TEHNICA-INFO”, Chisinau, 2015, - 403 pag.
 2) C. Codreanu “Электрическое Освещение” – (“Electric lighting”- Russian edition), „TEHNICA-INFO”, Chisinau, 2013, - 400 pag.
 3) C. Codreanu “The methodology of industrial energy audit”, „TEHNICA-INFO”, Chisinau, 2011, - 130 pag.
 4) C. Codreanu „Basics of metrology, standardization and electrical measurements”, „TEHNICA-INFO”, Chisinau, 2010-2015, second ed., - 373 pag.
 5) C. Codreanu “LEED – the program of environmental certification for building”, „TEHNICA-INFO”, Chisinau, 2017, - 96 pag.
 6) C. Codreanu “Iluminat electric” – (“Electric lighting”- Romanian edition), „TEHNICA-INFO”, Chisinau, 2018, - 384 pag.

b) Publications of scientific articles: over 70 scientific articles, methodical indications.

Training and workshop

- Webinar " Wellbeing in BREEAM course", BRE Academy, 27.11.19;
 - Webinar "Circular economy in the building industry" Romanian Green Building Council, 19.11.19;
 - Webinar "BREEAM New Construction 2018: Tackling the energy performance gap", BRE Academy,

18.11.19;

- Webinar "Certification systems for green buildings (LEED, BREEAM, DGNB, HQE)", Romanian Green Building Council, 19.11.19;
- Webinar " Green Homes certification" , Romanian Green Building Council, 18.11.19;
- Training seminar "Support to Quality Infrastructure Framework within a DCFTA context in the Republic of Moldova", 12.03.19-15.03.2019, Chişinău, Republica Moldova;
- Training seminar for the chairmen of the technical committees within the Twining Light project "Providing EU support to the Standardization Institute of the Republic of Moldova in order to fulfill the full membership requirements of CEN-CENELEC", Chisinau, December 22;
- Training "Enhance local manufacturing capacity of solar thermal energy systems in the Republic of Moldova", Chisinau, December 19-21, 2017, Energy Efficiency Agency;
- The SABIT program (Special American Business Internship Training Program of the U.S. Department of Commerce) „Energy Efficiency and Renewables in Residential and Commercial Construction”, January 30, 2016 – February 20, 2016;
- Workshop „Developing a Road Map/Action Plan for transposition of the EU Directive on EPB in Moldova, October 06, 2015;
- Seminar within the INOGATE project „Development of National standardization in the field of electricity and natural gas”, 28-30 September 2015, National Institute of Standardization;
- Integrated thematic training course in Metrology with specialization „Electrical measurements. Metrological verification of electrical measuring instruments” Certificate nr. 00900, 11.05-29.05.2015, State Enterprise "Applied Metrology Center and Certification”;
- ISO Regional Workshop „Enhancing collaboration between National Standards Bodies and Academia”, 8-10 October 2014, Beograd, Serbia.

Elaboration of normative documents in construction

Author and coauthor of normative documents in construction:

NCM G.01.02.2015 „Design and installation of electrical installations in residential and public buildings”

NCM G.01.01-2016 “Electrical power supply of industrial enterprises. Standards for technological design”.

NCM G.01.03-2016 “Electrical devices”

NCM G.02.01-2017 “Design of electronic communications networks for technical assurance of buildings and constructions. Basic principles for design”.

NCM G.02.03-2017 “Designing urban electric networks”

NCM G.02.02-2017 “Lighting protection of buildings and structures”

Participation to international projects

- LEED National Consultant within the project "Elaboration the Green design code", who serve for designers, developers, entrepreneurs and who can be a perfect tool for municipality and government to regulate the practices in the area, being one of the key documents in construction sector. (starting 27.11.19)

- Expert, energy auditor in the energy audits within the project “Modernization of local public services, SUD and Center area”, funded by GIZ 2016-2017.

- Key expert-consultant, designer of electrical installations and networks in the projects funded by GIZ (Germany) (2018-2019):

* Increasing the energy efficiency of the building of the theoretical school D. Cantemir, mun. Balti, (11.2018-11.2019);

* Increasing the energy efficiency of the theoretical gymnasium Boghiu from the village of Flămânzeni, Sangerei (11.2018-11.2019).