

## CURRICULUM VITAE

Proposed position in assignment:

1. **Family name: ZAITSEV**
2. **First names: DMITRII**
3. **Date of birth: 10.04.1963**
4. **Nationality: Russian**
5. **Civil status: Married**
6. **Education:**

Institution	Technical University, Moldova
Date: from (month / year): to (month / year):	01/1980 - 07/1985
Degree(s) or Diploma(s) obtained:	Dipl. Ing. Systems Automatization

Institution	Power engineering Institute, Moldova
Date: from (month / year): to (month / year):	01/1995 - 12/2000
Degree(s) or Diploma(s) obtained:	Dr. Technical Sciences

Institution	Agency for Energy Efficiency, Moldova
Date: from (month/year): to (month/year):	11/2012 - 11/2012
Degree(s) or Diploma(s) obtained:	Training courses in elaboration of energy audit in electropower sector. Authorisation license.

Institution	Agency for Energy Efficiency, Moldova
Date: from (month/year): to (month/year):	05/2013 - 05/2013
Degree(s) or Diploma(s) obtained:	Training courses in elaboration of energy audit in thermalpower sector. Authorisation license.

Institution	INOGATE, SOFRECO
Date: from (month/year): to (month/year):	10/2013 - 10/2013
Degree(s) or Diploma(s) obtained:	Energy audit in buildings.

Institution	INOGATE
Date: from (month/year): to (month/year):	03/2013 - 03/2013
Degree(s) or Diploma(s) obtained:	Industrial Energy audit Analysis for Bankable Projects

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

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
Russian (mother tongue)	5	5	5
English	4	3	3
Romanian	4	3	3

8. **Membership of professional bodies:**

Member of Scientific Council of Power engineering Institute.

**9. Other skills (e.g. computer literacy, etc.):**

Computer literate. Computer tools: MATLAB, SIMULINK, LEAP, Excel, Word etc.

**10. Present position:** Head of Power Electronics Laboratory

**11. Years within the firm:** 35

**12. Key qualifications (relevant to the programme):**

Mr. Zaitsev Dmitrii is a Dr. of technical sciences and has an experience of over 35 years in the energy sector. Currently he holds the position of Head of Power Electronics Laboratory. He has vast experience both as manager of international and national projects and as an executor in several projects in Moldova financed from European funds. The main research activities are related to studies for developing different scenarios for interconnection of power system of Moldova with ENTSO-E, modelling of power system operation regimes, developing FACTS controllers for power flow control in transmission network, developing measures for reducing energy consumptions, development of energy audits for private and public companies etc. Results of research activities are provided in more than 80 scientific papers and patents.

**13. Specific country experience:**

<i>Country</i>	<i>Date: from (month / year) to (month / year)</i>
Moldova	From 01/2015 – 12/2019. Development of the means, technical and technological solutions for an effective utilisation of traditional and renewable power resources for successful functioning of a power complex. <b>Financed by Moldova Government.</b>

**14. Professional Experience Record:**

<i>Date (from - to)</i>	06/2010 to date
<i>Location</i>	Moldova
<i>Company</i>	Power Engineering Institute
<i>Position(s)</i>	Head of Lab
<i>Description</i>	Management of research activities of laboratory. Research in the field of methods and controls of power system modes

<i>Date (from - to)</i>	07/2000 to 06/2010
<i>Location</i>	Moldova
<i>Company</i>	Power Engineering Institute
<i>Position(s)</i>	Senior Scientific Researcher
<i>Description</i>	Research in the field of FACTS controllers in the SMART GRID.

<i>Date (from - to)</i>	01/1990 06/2000
<i>Location</i>	Moldova
<i>Company</i>	Power Engineering Institute
<i>Position(s)</i>	Scientific researcher
<i>Description</i>	Research in the field of power modes control.

<i>Date (from - to)</i>	09/1984 to 12/1989
<i>Location</i>	Moldova
<i>Company</i>	Power Engineering Institute
<i>Position(s)</i>	Junior Scientific Researcher
<i>Description</i>	Research in field of power losses calculation of energy system.

## 15. Others:

Implemented projects:

- Consultant in “**Assessment of local power generation options in Moldova**” project. Project is financed by USAID and is implemented by Worley parsons company (USA). Tasks performed by Consultant: Assessment of existing CHPs and related DH facilities; Heat and Electricity Demand and Supply; Gas and Water Supply; Land and Structural Issues; Legal and Regulatory Considerations. Period of implementation 2018-2019.
- Lead expert in cross-border project Moldova – Romania “**Research and promotion of highly efficient energy generation through trigeneration by using solar renewable resources for getting electricity, heat and cold and purchasing of equipment**”. The European Commission has approved the Joint Operational programme Romania-Republic of Moldova 2014-2020 on 17 December 2015. The project aims to stimulate the efficient use of renewable energy sources in the cross-border area. Period of implementation 2020-2022.
- The project manager of project “Development of the means, technical and technological solutions for an effective utilisation of traditional and renewable power resources for successful functioning of a power complex” started in 2015 and will be finished in 2018.
- CSSDT „New technical solutions for control of power flow in transport network „, 2005-2010
- SE “Moldelectrica” “Energ0-2”. “Moldova World Bank Energy Project».2004 – 2009
- STCU project: Elaboration, realization and testing of physical model of unit for quick control of phase-shifting transformer based on thyristors. 2011-2012

### Performed energy audits:

1. Energy audit for IMSP Spitalul regional Orhey din 13.02.2013 to 31.12.2013
2. Energy audit for Gymnasium sat. Bashcalia, din 8.04.2013 to 31.12.2013
3. Energy audit for Sat. Carabetovca, din 24.05.2013 to 31.12.2013
4. Energy audit for Sat. Iordanovca, din 27.05.2013 to 31.12.2013
5. Energy audit for Sat. Iserlia, din 28.05.2013to 31.12.2013
6. Energy audit for Liceul „Șișcani” sat.. Șișcani, dist.Nisporeni contract N30 din 29.07.2014 to 31.12.2014
7. Energy audit for Liceul „Seliște” sat.. Seliște, dist.Nisporeni contract N32 din 18.08.2014 to 31.12.2014
8. Energy audit for Liceul „Grigore Vieru” sat..Iurceni, dist.Nisporeni contract N
9. Energy audit for Liceul sat.. Iurceni, dist.Nisporeni contract N28 din 04.08.2014 to 31.12.2014
10. Energy audit for Gymnasium „Ciutești” sat. Ciutești, raion. Nisporeni contract N25 din 10.08.2014 to 31.12.2014
11. Energy audit for Gymnasium „Cristești” sat. Cristești, dist. Nisporeni
12. Energy audit for Gymnasium sat. Bălănești, raion Nisporeni contract N24 din 29.07.2014 to 31.12.2014
13. Energy audit for Liceul „Mircea Iliade” c. Nisporeni, dist. Nisporeni contract N35/14 din 04.08.2014 to 31.12.2014

14. Energy audit for Liceul „Valea Trestieni” sat. Valea Trestieni, raion. Nisporeni contract N21 din 07.08.2014 to 31.12.2014
15. Energy audit for Spitalul regional Nisporeni, clădire chirurgicală c. Nisporeni, raion. Nisporeni contract N127 din 09.09.2014 to 31.12.2014
16. Energy audit for [State Agency on Intellectual Property](#) city Chisinau contract N69 din 01.07.2016
17. Energy audit for Spitalul de urgenta or. Chisinau contract N281(D-06-413) din 30.06.2017 to 30.10.2017
18. Energy audit for Spitalul Cancelariei de Stat a RM or. Chisinau contract N20A(4) din 19.03.2018
19. Energy audit for Gimnaziului „Mihail Baban” s.Arionești, r-l Dondușeni 06.06.2022
20. Energy audit for Azilul de Bătrâni «Casa Max» s.Căprești, r-l Florești 05.12.2022
21. Energy audit for Grădinița de copii № 1 “Albăstrea” Mun. Ceadăr-Lunga 18.11.2022
22. Energy audit for Grădinița nr.7 “Sălcioară” Mun. Ceadăr-Lunga 25.07.2022
23. Energy audit for Grădinița № 4 “Mesteacăn” Mun. Ceadăr-Lunga 25.07.2022
24. Energy audit for Grădinița “Prichindel” s.Chetrosu, Anenii Noi 15.04.2022
25. Energy audit for Liceul Teoretic „Nicolae Bălcescu” s. Ciorescu, Municipiul Chișinău 11.04.2022
26. Energy audit for Grădinița nr.9 “Poveste” or.Comrat 15.04.2022
27. Energy audit for Liceul Teoretic Cuhureștii de Jos s.Cuhureștii de jos, r-l Florești 25.10.2022
28. Energy audit for Clădirea primăriei s.Cuhureștii de jos, r-l Florești 25.10.2022
29. Energy audit for Casa de Cultură s.Cuşmirca, r-l Șoldănești 12.05.2022
30. Energy audit for Liceul Teoretic Cuhureștii de Sus s. Cuhureștii de Sus, Raionul Florești 12.09.2022
31. Energy audit for Grădinița de copii “Scufița Roșie” nr.5 or.Drochia 29.08.2022
32. Energy audit for Grădinița “Romanița” s.Echimăuți. R-l Rezina 12.05.2022
33. Energy audit for Grădinița „Regina Maria” or.Ialoveni 15.04.2022
34. Energy audit for Gimnaziul “Sergiu Rădăuțan” s.Iezărenii Vechi, r-l Sângerei 18.08.2022
35. Energy audit for Gimnaziul „Mircea Snegur” s.Trifănești, r-l Florești 15.04.2022
36. Energy audit for Gimnaziul Izvoare s. Izvoare r-l Florești 15.04.2022
37. Energy audit for Grădinița de copii “Andrieș” or.Mărculești, r-l Florești 27.12.2022
38. Energy audit for Liceul Teoretic “Mihail Bârcă” s.Mileștii Mici, Ialoveni 11.05.2022
39. Energy audit for Grădinița “Albinuța” s.Sculeni, Ungheni 09.06.2022
40. Energy audit for Grădinița „Ghiocel”, s.Țahnăuți, R-l Rezina 11.05.2022
41. Energy audit for Clădirea primăriei s.Tomai, r-l Ceadăr-Lunga 11.04.2022
42. Energy audit for Iluminat stradal s.Ursoaia, r-l Căușeni 12.08.2022

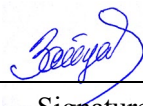
## 16. Publications:

1. Tirsu M., Calinin L., Zaitsev D., Golub I., Kaloshin D. Means and methods for active and reactive power exchange/regulation. Monografie, LAMBERT Academic Publishing, OmniScriptum GmbH & Co. KG, Haroldstr. 14, pp.137.
2. Tirsu M., Zaitsev D., Golub I., Calinin L., Lazaroiu G-C. Estimation of the Wind Power Plants Capacity to be Integrated in Actual Power System of Moldova. Proceedings of The 11th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp.223-226, <http://ieeexplore.ieee.org/document/8123322/>, DOI: 10.1109/SIELMEN.2017.8123322
3. Kalinin L., Zaitcev D., Tirshu M., Kaloshin D. The new variant of adaptive interphase power controller with a wide range of controllability, Modern Power Systems (MPS), 2017, IEEE International Conference, Cluj-Napoca, Romania, 6-9 June, [ieeexplore.ieee.org/iel7/7964628/7974360/07974381.pdf](http://ieeexplore.ieee.org/iel7/7964628/7974360/07974381.pdf)
4. Kalinin L., Zaitcev D., Tirshu M., Golub I. The characteristics of the phase-turn transformer, made according to the scheme "polygon"., Regional Energy Issues Magazine. IPE, Chisinau, Moldova. 2017, 35(3), 11-18. ISSN 1857-0070
5. Calinin L., Zaitsev D., Tirsu M., Golub I., Moraru L. Three phase transformer for phase-shift regulation in the neutral point. Regional Energy Issues Magazine. IPE, Chisinau, Moldova. 2015, 27(1), 11-18. ISSN 1857-0070

6. Calinin L., Zaitsev D., Golub I., Tirsu M., Spivak V. The model and characteristics of circular phase convertor. SIELMEN 2015. 10th International Conference and Exhibition on Electromechanical and Power Systems
7. Calinin L., Zaitsev D., Tirsu M., Golub I. Modelling of cycle-convertor based on phase-shift transformer with circular conversion. "Smart Energy Systems–ESS'15"9-12 June , 2015 Kiev, Ukraine

**Certification:**

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

Zaitsev Dmitrii		January 2023
Name of expert	Signature	Date