

Curriculum Vitae (CV)

Position Title and No. Technical Expert
Name: Bogdan-Alexandru Onose
Date of Birth:
Country of Citizenship/Residence: Romania

Education:

- University POLITEHNICA of Bucharest, PhD Student, Energy Quality in Renewable Energy Sources (2017 - 2022)
- University POLITEHNICA of Bucharest, Master's Degree, Renewable Energy Sources (2009 - 2011)
- University POLITEHNICA of Bucharest, Bachelor of Science, Industrial Power Engineering (2003 - 2008)

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
08/2022 - Present	SMART RENOWABLE ENERGY SRL Head of Business Development / Technical Expert / Project Manager <i>For references:</i> Ion Murgescu Technical Director Email: Phone : +40	Romania	Experience in conducting feasibility studies and site assessments for energy storage projects, renewable energy projects (onshore wind and solar PV), co-located renewable + battery storage projects; and power systems engineering – specifically, with adequate expertise and experience in providing assistance to relevant entities in managing the integration of intermittent generation in power grids.
08/2021 - Present	IDEA – Innovation and Energy Development Association R&D Committee Director <i>For references:</i> Irinel Tudorache Financial Director Email: i Phone: +40	Romania	IDEA is intended to be the synergy between R&D, industry and local authorities. The scope if IDEA is to disseminate know-how and technical knowledge to public and private local actors in the RES in the energy, construction & ICT sectors. Expertise in technical development and implementation of renewable energy sources (mainly PV, wind, heat pumps), energy storage, smart and micro-grids, energy management systems solutions.
01/2019 - 07/2022	INCIE ICPE-CA Horizon Project Manager / Research Scientist III / Partner project coordinator / Technical team member	Romania	Experience in R&D projects at national and EU level (Horizon, H2020, FP7) in coordination, management and technical expertise activities in the field of renewable energy, energy efficiency, smart grids & smart cities, building

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	<i>For references:</i> Paul Pencioiu Technical Manager Email: Phone: +40		management systems, building integrated photovoltaic, internet of things (IoT), industry 4.0
12.2014 - 01.2019	ICPE SA Deputy Director - Energy Division <i>For references:</i> Paul Pencioiu Technical Manager Email: Phone: +40	Romania	Managed the energy team to successful development of new research projects, industry renewable energy implementation projects and energy audits on buildings and/or systems for improving energy efficiency
06/2012 - 01/2019	ICPE SA Research Scientist III / Partner project coordinator / Technical team member <i>For references:</i> Paul Pencioiu Technical Manager Email: Phone: +40	Romania	Experience in R&D projects at national and EU level (H2020, FP7) incoordination, management and technical expertise activities in the field of renewable energy, energy efficiency, building energy management
04/2012 - 11/2014	ICPE SA Renewable Energy Project Manager <i>For references:</i> Paul Pencioiu Technical Manager Email: Phone: +40	Romania	Project manager of a variety of important medium to large scale investment projects in different development stages: design, engineering, development, implementation, evaluation Experience in consultancy services, technical due diligence and detailed technical studies development
06/2008 - 04.2012	ICPE SA Renewable Energy Project Engineer <i>For references:</i> Lidia Mitroi Project Manager Email: Phone: +40	Romania	Involved in process engineering design of opportunity, pre – feasibility and feasibility studies for renewable energy sources (ex: wind, solar PV, biomass) development
10/2007 – 06/2008	ICPE SA Energy Technician	Romania	Energy Technician

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

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
English	1	2	2

Project references:

Area of expertise:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
Project management / Technical Expert	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • BESS 100MWh - Feasibility Study (Ovidiu Development S.A, Constanta) • PV 3.0MW (rooftop) + BESS 0,6MWh - Feasibility Study (VALEN CONS, Prahova) • PV 32MW (land) + BESS 6,8MWh - Feasibility Study (SOF GREEN ENERGY, Arad) • PV 91MW (land) - Feasibility Study (MAX ENERGY TWO, Gataia, Timis) • PV 1.0MW (rooftop) + BESS 0,2MWh - Feasibility Study (GREENTECH, Buzau) • PV 1.0MW (rooftop) + BESS 0,2MWh - Feasibility Study (GREENFIBER INTERNATIONAL, Buzau) • PV 2.2MW (rooftop) + BESS 0,5MWh - Feasibility Study (FIERCTC SIBEL, Galati) • PV 2.0MW (rooftop) + BESS 0,4MWh - Feasibility Study (Walter Tosto WTB, Bucharest) • PV 0.78MW (rooftop) + BESS 0,2MWh - Feasibility Study (Walter Tosto WTO, Oltenita, Calarasi) <p>Year: 2022</p> <p>Activities performed: Conducting Feasibility Studies of a variety of important medium to large scale investment projects, under the National Recovery and Rehabilitation Program (NRRP). Experience in feasibility studies and project management.</p>
Technical Expert	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • Consultancy and technical management for PV 100kW + EV projects (Electric-UP) <p>Year: 2021</p> <p>Activities performed: Technical analysis and sizing of multiple 100kW photovoltaic projects with EV charging stations integrated. Experience in technical consultancy and engineering.</p>
Technical Expert	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • PV 250MW (land) - Technical Consultancy for Business Plan (ENERGIE FINANZIERUNG UND KAPITAL, Romania) <p>Year: 2020</p> <p>Activities performed: Technical consultancy services for development of a Business Plan for a large-scale photovoltaic project. Experience in technical consultancy.</p>

Area of expertise:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
Technical Expert	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • Complex Energy Audit (Honeywell Garrett, Honeywell Romania & Honeywell International Services, Bucharest & Lugoj) <p>Year: 2018</p> <p>Activities performed: Performing complex (thermal + electrical) energy audit reports for 2 factories and 1 office space used by the beneficiary. Experience in energy audit.</p>
Renewable Energy Project Manager	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • PV 2MWp – Technical studies (Calarasi, Calarasi) • Wind 50MW – Technical due diligence (Frumusita, Galati) • PV 2.5MWp – Technical studies (Facaeni, Ialomita) • Wind 9.0MW – Technical studies and due diligence (Limanu, Constanta) • PV 9.5MWp – Technical due diligence (Rosiori, Teleorman) • PV 8.0MWp – Technical studies, legal permits and project management (Paulesti, Prahova) • Wind 605MW – Technical studies and due diligence (Adam Clisi, Constanta) • PV 2.5MWp – Technical studies, legal permits and project management (Buda, Prahova) • PV facade 80kWp – Technical studies, legal permits, grant application, project management and implementation (Bucharest) • PV 3.0MWp - Technical due diligence and project management (Piatra Neamt) <p>Year: 2012 - 2014</p> <p>Activities performed: Project manager of a variety of important medium to large scale investment projects in different development stages: design, engineering, development, implementation, evaluation. Experience in technical consultancy services, technical due diligence and detailed technical studies development</p>
Renewable Energy Project Engineer	<p>Name of assignment or project:</p> <ul style="list-style-type: none"> • Wind 35MW – Technical studies and due diligence (Baia, Tulcea) • Wind 96MW – Technical studies and due diligence (Saucesti, Bacau) • Wind 60MW – Technical studies and due diligence (Filipesti, Bacau) • PV 2.0MWp – Technical studies, due diligence and grant application (Calmatuiu, Teleorman) • Wind 50MW – Technical diagnostics (Frumusita, Galati) • Wind 48MW – Technical studies and due diligence (Isaccea, Tulcea) • Wind 120MW – Technical studies, legal permits and due diligence (Targusor, Constanta) <p>Year: 2008 - 2012</p> <p>Activities performed: Involved in process engineering design of opportunity, pre – feasibility and feasibility studies for renewable energy sources (ex: wind, solar PV, biomass) development</p>

Membership of professional bodies:

- Romanian Standards Association (RSA) - CT-35 Photovoltaic systems of solar energy conversion
- Romanian National Committee of World Energy Council - VLER – Future Energy Leaders Programme

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

- **Certifications:**
 - Certified Risk Manager (CRM)
 - Certified SR EN ISO 17025:2018 (testing and calibration laboratories)
 - Expert in using WindPRO
 - Certified Project Manager (CPM)
 - Trained expert in Biogas Technology
 - Scientific Researcher III (equivalent to University Lecturer)
- **Patents**
 - Mobile mechanical system of the photovoltaic source for irrigation facilities

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal and/or sanctions by the Bank.

Name of Personnel

Date

Bogdan-Alexandru Onose

22.02.2023