

CURRICULUM VITAE

Position Title and No.	Civil Engineer
Name of Expert	Nicolae Lucasenco
Date of Birth	04 August 1988
Country of Citizenship/Residence	Republic of Moldova

Education:

09/2011-02/2013	Technical University of Moldova Degree: Master degree in Architecture and Construction, Specialization Structural Engineering
09/2007-06/2011	Technical University of Moldova Degree: Bachelor's degree / Construction and Civil Engineering
Other training	Knowledge of calculation programs (softs) for dimensioning of civil and industrial constructions: SCAD, SketchUp. Good knowledge of: Word, Excel, Microsoft Project, AutoCad, etc.

Employment Record relevant to the Assignment:

Period Month/year to Month/year	Employing Organisation and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
December 2013 - Present	Lunicon Proiect L.L.C.; Team Leader, Project Manager, Construction and Civil Engineer, Architectural Engineer, Supervisor <u>For references:</u> Tel: +373 691 45 578; e-mail: nicolae.lucasenco@gmail.com; lunicon.proiect@gmail.com; Mr. Lucasenco Nicolae, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Degree in Construction and Civil Engineer • Over 11 years of professional experience in architecture and civil engineering projects, projects in renewable energy and energy efficiency, experience in projects which include feasibility study, contract preparation and negotiation; design coordination with regulatory agencies; project planning, budgeting and scheduling • Support to project and contract • Preparation and evaluation of detail design, bill of quantities and tender documents for civil and architecture projects
April 2019 – present	Encom Design L.L.C.; Team Leader, Project Manager, Construction and Civil Engineer, Architectural Engineer, Supervisor <u>For references:</u> Tel: +373 691 45 578; e-mail: nicolae.lucasenco@yahoo.com; Mr. Lucasenco Nicolae, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Workshops for the presentation of the detail design • Coordination of detail design with project verifiers • Construction supervision of civil and architecture buildings • Preparation of procurement documents for prequalification and evaluation of prequalification of applicants • Knowledge about FIDIC contracts • Skills in managing a team composed of local and international experts
January 2012 – July 2019	Protelco Geocad L.L.C.; Construction and Civil Engineer <u>For references:</u> Tel: +373 680 94 222; e-mail: protelcomoldova@gmail.com; Mr. Dumitru Cretu, Managing Director	Republic of Moldova	

Membership in Professional Associations and Publications: -**Language Skills:**Proficiency: *excellent, good, fair, or poor*

	speaking	reading	writing
Romanian	excellent	excellent	excellent
English	good	good	good
French	excellent	excellent	good
Russian	good	good	fair

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> According with ToR, technical offer and work schedule 	<p>Name of Assignment or Project: Design services at the "SPF Cuconestii Noi, SPF Gotești, SPF Cahul, SPF Cuhnești, SPF Frăsinești, SPF Leușeni, DIS/DUP Chișinău, CESF Ungheni" Border Police Sectors, wich include the thermal insulation of the facade, the change of the roof and the installation of ON-GRID photovoltaic panels. Year: Since 03/2023-06/2023 Location: Republic of Moldova Client: The General Inspectorate of the Border Police Main Project Features: The design of the thermal insulation of the faade, roof design, the design of photovoltaic installations on the roof of buildings, interior construction works of buildings. Positions held: Team leader. Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> Preparation of detailed design, architectural and construction compartment; Structural calculation; Coordination of the final design with regulatory agencies; Coordination of detail design with project verifiers; Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p> <p>Name of Assignment or Project: Services on of the elaboration of the project documentation for the design of the New WWTP Cahul, and the Prut residue discharge pipeline as well as ensuring their verification and approval by the competent authorities. Year: Since 08/2022 Location: Republic of Moldova Client: Cahul city Hall Main Project Features: Design of Cahul Waste water treatment plant, administration building, workshop building, transformer building etc. Positions held: Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> Preparation of detailed design, architectural and construction compartment; Structural calculation; Coordination of the final design with regulatory agencies; Coordination of detail design with project verifiers; Coordination of detail design with international experts; Preparation of detailed design according to FIDIC Yellow Book. <p>Financed by KfW Development Bank</p> <p>Name of Assignment or Project: Design services of the 4 Police Departments in Chisinau, wich include the thermal insulation of the facade, the change of the roof and the installation of ON-GRID photovoltaic panels. Year: Since 06/2022-12/2022 Location: Republic of Moldova Client: The General Inspectorate of the Police Main Project Features: The design of the thermal insulation of the faade, roof design, the design of photovoltaic installations on the roof of buildings, interior construction works of buildings. Positions held: Team leader. Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> Preparation of detailed design, architectural and construction compartment; Structural calculation; Coordination of the final design with regulatory agencies; Coordination of detail design with project verifiers; Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p> <p>Name of Assignment or Project: Design services for the "Reconstruction of the barracks within the</p>

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Dănceni anti-aircraft missile regiment". Year: Since 03/2022-07/2022 Location: Republic of Moldova Client: Agency for Resource Assurance and Heritage Administration of the Ministry of Defence Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and boiler room, new electrical system, interior construction works of buildings. Positions held: Team leader. Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural and construction compartment; • Structural calculation; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Services for the development of the execution project for the Renovation of the Premature Block of the Mother and Child Institute, as well as the provision of medical equipment". Year: Since 08/2021-12/2021 Location: Republic of Moldova Client: PHI "Mother and Child Institute" Main Project Features: The design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings. Positions held: Team leader. Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural and construction compartment; • Structural calculation; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts and international experts; <p>Financed by the European Union</p>
	<p>Name of Assignment or Project: Design services for the reconstruction of the administrative building with 3 levels and basement of the IGP, located in the municipality of Chisinau, 156 Dosoftei street. Year: Since 03/2021-11/2021 Location: Republic of Moldova Client: The General Inspectorate of the Police Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings. Positions held: Team leader. Civil and construction engineer. Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural and construction compartment; • Structural calculation; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>

Expert's Contact information:

Email: nicolae.lucasenco@gmail.com

Phone: 0037369145578

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, 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 by the Client, and/or sanctions by the Bank.

11/01/2024

Nicolae Lucasenco

Signature

Date

Nicolae Lucasenco

23/07/2024

Name of authorized
Representative of the Consultant
(the same who signs the Proposal)

Signature

Date

CURRICULUM VITAE

Position Title and No.	Architect Engineer
Name of Expert	Vladimir Cojocaru
Date of Birth	06 November 1946
Country of Citizenship/Residence	Republic of Moldova

Education:

09/1965-06/1970	Polytechnic Institute of Chisinau (Technical University of Moldova) Degree: Master's and bachelor's degree in Architecture
Other training	Good knowledge of: Word, Excel, Microsoft Project, AutoCad, etc.

Employment Record relevant to the Assignment:

Period Month/year to Month/year	Employing Organisation and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
December 2017 - Present	Lunicon Proiect L.L.C.; Architectural Engineer <u>For references:</u> Tel: +373 691 45 578; e-mail: lunicon.proiect@gmail.com; Mr. Lucasenco Nicolae, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Degree in Architecture • Over 53 years of professional experience in architectural projects, projects in renewable energy and energy efficiency; design coordination with regulatory agencies; project planning and scheduling • Preparation and evaluation of detail design, bill of quantities and tender documents for civil and architecture projects • Workshops for the presentation of the detail design
September 1970 – March 2017	AGROINDPROIECT INSTITUTE S.A. Architecture Engineer, Supervisor <u>For references:</u> Tel: +373 22 244778; Mr. Morarescu Zoia, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Coordination of detail design with project verifiers • Construction supervision of civil and architecture buildings • Skills in managing a team composed of local and international experts

Membership in Professional Associations and Publications: -

Language Skills:

Proficiency: *excellent, good, fair, or poor*

	speaking	reading	writing
Romanian	excellent	excellent	excellent
Russian	good	good	fair

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> • According with ToR, technical offer and work schedule 	<p>Name of Assignment or Project: Design services at the "SPF Cuconestii Noi, SPF Gotești, SPF Cahul, SPF Cuhnești, SPF Frăsinești, SPF Leușeni, DIS/DUP Chișinău, CESF Ungheni" Border Police Sectors, wich include the thermal insulation of the facade, the change of the roof and the installation of ON-GRID photovoltaic panels.</p> <p>Year: Since 03/2023-06/2023</p> <p>Location: Republic of Moldova</p> <p>Client: The General Inspectorate of the Border Police</p> <p>Main Project Features: The design of the thermal insulation of the faade, roof design, the design of photovoltaic installations on the roof of buildings, interior construction works of buildings.</p> <p>Positions held: Architectural engineer</p>

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Design services for the "Reconstruction of the cultural house in the village of Sărătenii Vechi, Telenești district"</p> <p>Year: 02/2023 – 12/2023</p> <p>Location: Republic of Moldova</p> <p>Client: Saratenii Vechi village town hall, Telenesti district</p> <p>Main Project Features: The design of the thermal insulation of the faade, design of the ventilation system, design of the new heating system and boiler room, interior construction works of buildings.</p> <p>Positions held: Architectural engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; <p>Financed by Government of the Republic of Moldova</p>
	<p>Name of Assignment or Project: Design services of the 4 Police Departments in Chisinau, wich include the thermal insulation of the facade, the change of the roof and the installation of ON-GRID photovoltaic panels.</p> <p>Year: Since 06/2022-08/2022</p> <p>Location: Republic of Moldova</p> <p>Client: The General Inspectorate of the Police</p> <p>Main Project Features: The design of the thermal insulation of the faade, roof design, the design of photovoltaic installations on the roof of buildings, interior construction works of buildings.</p> <p>Positions held: Architectural engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Design services for the reconstruction of the administrative building with 3 levels and basement of the IGP, located in the municipality of Chisinau, 156 Dosoftei street.</p> <p>Year: Since 03/2021-11/2021</p> <p>Location: Republic of Moldova</p> <p>Client: The General Inspectorate of the Police</p> <p>Main Project Features: The design of the thermal insulation of the faade, design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings.</p> <p>Positions held: Architectural engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Large Infrastructure Operational Programme 2014 – 2020. Feasibility study development, environmental impact assessment and technical project documentation development services for the creation of the Communication Training Module, within the Republican Training Center of IGSU branch in the village of Răzeni, Republic of Moldova</p> <p>Year: 12/2019 – 03/2020</p> <p>Location: Republic of Moldova</p> <p>Client: General Inspectorate for Emergency Situations</p> <p>Main Project Features: The design of the thermal insulation of the faade, design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings.</p> <p>Positions held: Architectural engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with international experts;

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Financed by European Union</p> <p>Name of Assignment or Project: The modernization and reconstruction of the Center of Excellence in Transport, on 31 Sarmizegetusa Street, Chisinau Year: 01/2016 – 03/2016 Location: Republic of Moldova Client: Center of Excellence in Transport Main Project Features: The design of the thermal insulation of the façade, new roof design, design of the ventilation system, design of the new heating system and boiler room, new electrical system, interior construction works of buildings. Positions held: Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, structural elements compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p> <p>Name of Assignment or Project: Design services regarding the thermal insulation of the external walls of the Alexandru Donici theoretical high school in the village of Peresecina, Orhei district Year: 08/2016 – 10/2016 Location: Republic of Moldova Client: Peresecina city Hall Main Project Features: The design of the thermal insulation of the façade, roof design. Positions held: Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p> <p>Name of Assignment or Project: The roof and thermal insulation of the auxiliary block with the renovation of the sewage system at the kindergarten No. 1 Moscovei village, Cahul district Year: 08/2015 – 10/2015 Location: Republic of Moldova Client: Moscovei city Hall Main Project Features: The design of the thermal insulation of the façade, roof design. Positions held: Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p> <p>Name of Assignment or Project: Renovation of the engineering networks and thermal insulation of the walls at the kindergarten in Tatarasti, Cahul district Year: 02/2018 – 06/2014 Location: Republic of Moldova Client: Tatarasti city Hall Main Project Features: The design of the thermal insulation of the façade, roof design, engineering networks. Positions held: Architectural engineer Activities performed:</p> <ul style="list-style-type: none"> • Preparation of detailed design, architectural compartment; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with the beneficiary experts; <p>Financed by the national budget</p>

Expert's Contact information:

Email: vladimir.cojocaru@inbox.ru
Phone: 0037322280544

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, 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 by the Client, and/or sanctions by the Bank.

11/01/2024

Vladimir Cojocaru

Signature

Date

Nicolae Lucasenco

11/01/2024

*Name of authorized
Representative of the Consultant
(the same who signs the Proposal)*

Signature

Date

CURRICULUM VITAE

Position Title and No.	Hydraulic Engineer
Name of Expert	Vasili VIRLAN
Date of Birth	28 Dec 1986
Country of Citizenship/Residence	Republic of Moldova

Education:

09/2016-06/2018	State Agrarian University of Moldova Degree: Master's / Hydrotechnical construction
09/2010-02/2013	Technical University of Moldova Degree: Master's / Management of sanitary systems, engineering and environmental protection
09/2006-06/2010	Technical University of Moldova Degree: Bachelor's degree / Water Supply and Sanitation
Other training	Knowledge of calculation programs (softs) for dimensioning of water and sewage networks: Urbano Hydra, Urbano Canalis, AquaCad, DrainCad, WaterCad, SewerCad, Epanet. Good knowledge of: Word, Excel, Microsoft Project, Project Libre, AutoCad, etc.

Employment Record relevant to the Assignment:

Period Month/year to Month/year	Employing Organisation and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
May 2011 - Present	Apcan Proiect L.L.C.; Team Leader, Project Manager, Water and Wastewater Systems Design Engineer, Supervisor <u>For references:</u> Tel: +373 693 20 474; e-mail: virlan.marianna@yahoo.com; Ms. Mariana Virlan, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Degree in Water supply and sanitation • Over 12 years of professional experience, of water and wastewater sector • Support to project and contract • Experience in project management of water/wastewater treatment plant, water/wastewater pumping stations and water supply/sewerage networks related projects, which includes the feasibility study, contract preparation and negotiation; design coordination with regulatory agencies; project planning, budgeting and scheduling
July 2010 – May 2011	Protelco Geocad L.L.C.; Team Leader, Project Manager, Water and Wastewater Systems Design Engineer, Supervisor <u>For references:</u> Tel: +373 680 94 222; e-mail: protelcomoldova@gmail.com; Mr. Dumitru Cretu, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Preparation and evaluation of detail design, bill of quantities and tender documents for wastewater/water supply systems, pumping stations and treatment plants • Workshops for the presentation of the detail design • Coordination of detail design with project verifiers • Construction supervision of water/wastewater treatment facilities, pumping stations, networks, including managing water/wastewater projects including treatment plants
April 2009 – July 2010	Piroterm Service L.L.C.; Water and Wastewater Systems Design Engineer, Supervisor <u>For references:</u> Tel: +373 691 84 535; e-mail: info@piroterm.md; Mr. Vladimir Catan, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Preparation of procurement documents for prequalification and evaluation of prequalification of applicants • Knowledge about FIDIC contracts • Skills in managing a team composed of local and international experts

Membership in Professional Associations and Publications: Association of Installation Engineers from the Republic of Moldova

Language Skills:

Proficiency: *excellent, good, fair, or poor*

	speaking	reading	writing
Romanian	excellent	excellent	excellent
English	good	good	fair
Russian	good	good	fair

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> According with ToR, technical offer and work schedule 	<p>Name of Assignment or Project: Services on of the elaboration of the project documentation for the design of the New WWTP Cahul, and the Prut residue discharge pipeline as well as ensuring their verification and approval by the competent authorities.</p> <p>Year: Since 08/2022</p> <p>Location: Republic of Moldova</p> <p>Client: Cahul city Hall</p> <p>Main Project Features: Design of Cahul WWTP – Prut river effluent pipeline L=4.5 km. Design of WWTP, mechanical stage (screen building sand removal, primary settler, etc.) - Q=7.000 m³/day. Design of WWTP, biological stage (biological filters, final settler) - Q=7.000 m³/day. Design of WWTP, sludge treatment (digester, biogas treatment, biogas buffer and cogeneration stage) - Q=100 m³/day. Design of WWTP, Sludge reed beds. All internal and external water and sewerage network.</p> <p>Positions held: Team leader. Wastewater treatment engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Preparation of detailed design; Hydraulic calculation for effluent pipe; Coordination of the final design with regulatory agencies; Coordination of detail design with project verifiers; Coordination of detail design with international experts; Preparation of detailed design according to FIDIC Yellow Book. <p>Financed by KfW Development Bank</p> <p>Name of Assignment or Project: Feasibility study for Construction of the WWTP in Ceadir-Lunga municipality</p> <p>Year: 05/2022 – 11/2022</p> <p>Location: Republic of Moldova</p> <p>Client: RDA Gagauzia (Regional Development Agency)</p> <p>Main Project Features: Elaboration of the feasibility study for regional WWTP with flow 4.500,0 m³/day (25.000 EP).</p> <p>Positions held: Team leader. Wastewater treatment engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Establishment of the feasibility study concept; Hydraulic calculation for all regional sewerage system; Calculation of costs; Preparation of the tender documentations for design service; Workshop for the presentation of the feasibility study. <p>Financed by Government of the Republic of Moldova</p> <p>Name of Assignment or Project: Rehabilitation and extension of sewerage system in the town of Donduseni, Donduseni rayon</p> <p>Year: 12/2019 – 12/2022</p> <p>Location: Republic of Moldova</p> <p>Client: Donduseni City Hall</p> <p>Main Project Features: Rehabilitation and extension of sewerage system in Donduseni town, Donduseni rayon. Sewerage network (37 km), WWPS (4 pcs), etc.</p> <p>Positions held: Team leader. Sanitation engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Establishment of the design concept; Hydraulic calculation for sewerage system; Calculation of costs, bill of quantities; Preparation of documents for procurement; Coordination of the final design with regulatory agencies; Coordination of detail design with project verifiers

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Financed by Donduseni City Hall</p> <p>Name of Assignment or Project: Modernisation of Local Public Services: Water Supply & Sanitation Year: 08/2018 - 10/2019 Location: Republic of Moldova Client: RDA Center (Regional Development Agency) Main Project Features: Rehabilitation and extension of water supply and sewerage systems in Ungheni town, Ungheni rayon. Water supply and sewerage networks (28 km), wastewater pumping stations (3 pcs), etc. Positions held: Team leader. Water supply and sanitation engineer. Hydraulic engineer Activities performed:</p> <ul style="list-style-type: none"> • Establishment of the design concept; • Hydraulic calculation for water supply and sewerage systems; • Calculation of costs, bill of quantities; • Workshop for the presentation of the detailed design; • Preparation of documents for procurement; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with international experts. <p>Financed by GlZ – German Development Corporation / European Union</p> <p>Name of Assignment or Project: Modernisation of Local Public Services: Water Supply & Sanitation Year: 08/2018 - 08/2019 Location: Republic of Moldova Client: RDA Center (Regional Development Agency) Main Project Features: Rehabilitation and extension of water supply and sewerage systems in Calarasi town, Calarasi district. Water supply and sewerage networks (22 km), chlorination station (1 pc), etc. Positions held: Team leader. Water supply and sanitation engineer. Hydraulic engineer Activities performed:</p> <ul style="list-style-type: none"> • Establishment of the design concept; • Hydraulic calculation for water supply and sewerage systems; • Calculation of costs, bill of quantities; • Workshop for the presentation of the detailed design; • Preparation of documents for procurement; • Coordination of the final design with regulatory agencies; • Coordination of detail design with project verifiers; • Coordination of detail design with international experts. <p>Financed by GlZ – German Development Corporation / European Union</p> <p>Name of Assignment or Project: Large Infrastructure Operational Programme 2014 – 2020. Technical assistance for preparing the financing application and tender documents for the regional development project of water and wastewater infrastructure in the service area of regional operator in Calarasi and Ialomita counties, in the 2014 – 2020 period Year: 10/2018 – 05/2023 Location: Romania Client: Regional operator in Calarasi and Ialomita counties – Ecoaqua Main Project Features: Design and technical assistance for water supply and sanitation systems in Budesti, Vasilati and Soldanu communes. Water supply and sewerage networks (130 km), wastewater pumping stations (8 pcs), etc. Positions held: Water supply and sanitation engineer. Hydraulic engineer Activities performed:</p> <ul style="list-style-type: none"> • Review of the feasibility study for approx. 18.000 inhabitants; • Establishment of the design concept; • Hydraulic calculation for water supply and sewerage systems; • Preparation of detailed design and tender documentations according to Red FIDIC; • Preparation of documents for procurement; • Coordination of detail design with project verifiers. <p>Financed by European Union</p> <p>Name of Assignment or Project: Large Infrastructure Operational Programme 2014 – 2020. Technical assistance for preparing the financing application and tender documents for the regional development project of water and wastewater infrastructure in the service area of regional operator in Calarasi and Ialomita counties, in the 2014 – 2020 period Year: 08/2018 – 05/2023 Location: Romania Client: Regional operator in Calarasi and Ialomita counties – Ecoaqua</p>

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Main Project Features: Design and technical assistance water supply and sanitation systems in Lehliu Gara, Dor Marunt, and Lupsanu communes. Water supply and sewerage networks (200 km), wastewater pumping stations (10 pcs), etc.</p> <p>Positions held: Water supply and sanitation engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Review of the feasibility study for approx. 17.000 inhabitants; • Establishment of the design concept; • Hydraulic calculation for water supply and sewerage systems; • Preparation of detailed design and tender documentations according to Red FIDIC; • Preparation of documents for procurement; • Coordination of detail design with project verifiers. <p>Financed by European Union</p> <hr/> <p>Name of Assignment or Project: Territorial development plan of the Soroca and Ștefan Voda districts. General urban plan Copceac, Talmază, Zastinca and Badiceni villages</p> <p>Year: 10/2016 – 12/2018</p> <p>Location: Republic of Moldova</p> <p>Client: Soroca and Ștefan Voda district council. Copceac, Talmază, Zastinca, Badiceni villages city hall</p> <p>Main Project Features: Elaboration of the water supply and evacuation of wastewater scheme for Soroca and Ștefan Voda districts and Copceac, Talmază, Zastinca and Badiceni villages (approx. 130.000 inhabitants).</p> <p>Positions held: Sanitation engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Establishment of the development plan concept (water supply and sewerage); • Hydraulic calculation for water and wastewater systems; • Workshop for the presentation of the development plan. <p>Financed by Government of the Republic of Moldova</p> <hr/> <p>Name of Assignment or Project: Elaboration of the Feasibility Study for Evacuation of Wastewater from Truseni commune, Chisinau municipality</p> <p>Year: 11/2014 – 10/2015</p> <p>Location: Republic of Moldova</p> <p>Client: Truseni city Hall</p> <p>Main Project Features: Elaboration of the feasibility study for evacuation of wastewater for approx. 10.500 inhabitants.</p> <p>Positions held: Team leader. Sanitation engineer. Hydraulic engineer</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Establishment of the feasibility study concept; • Hydraulic calculation for wastewater system; • Calculation of costs; • Preparation of the tender documentations for design service; • Workshop for the presentation of the feasibility study. <p>Financed by Truseni city Hall</p>

Expert's Contact information:

Email: virlan.vasili@yahoo.com

Phone: 0037360034121

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, 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 by the Client, and/or sanctions by the Bank.

23/07/2024

Vasili Virlan

Signature

Date

Lucasenco Nicolae

23/07/2024

Name of authorized
Representative of the Consultant
(the same who signs the Proposal)

Signature

Date

INFORMAȚII PERSONALE



Arhip Tudor

 Andrei Doga 37, ap. 37, or. Chișinău

 022490993  068134027

 tudorarhip@gmail.com

Sexul Masculin | Data nașterii 15.10.1989 | Naționalitatea Moldovean

PROFILUL PERSONAL

Proiectarea sistemelor de încălzire, ventilare, condiționare și a centralelor termice. Arhitectura și învelișul clădirilor, măsuri în eficientizare a consumului de energie în clădiri

EXPERIENȚA PROFESIONALĂ

iulie 2012 - prezent

Inginer proiectant a sistemelor de încălzire, ventilare, condiționare și centrale termice la IMP " Chișinău Proiect "

Adresa: str. Miron Costin 17/2, or. Chișinău

- Elaborarea proiectelor sistemelor de ventilare, condiționare și încălzire pentru clădiri cu destinații multiple

2014 - 2015

Am colectat date pentru efectuarea auditului energetic a peste 50 de clădiri cu diferite destinații, efectuând și calculul geometric al clădirilor.

iunie – noiembrie 2011

Am lucrat ca instalator a sistemelor de încălzire, apă și canalizare

EDUCAȚIE ȘI FORMARE

noiembrie 2016 – martie 2017

Programul de formare a Managerilor Energetici Europeni " EUREM "

septembrie 2012 – februarie 2014

Ciclul II masterat, Specialitatea: Ingineria Instalațiilor de Asigurare a Microclimei în Clădiri.

Universitatea Tehnică a Moldovei, or. Chișinău

septembrie 2008 – mai 2012

Ciclul I licență, Specialitatea: Ingineria Sistemelor de Alimentare cu Căldură, Gaze și Ventilare.

Universitatea Tehnică a Moldovei, or. Chișinău

septembrie 2006 – mai 2008

Liceul teoretic " Ion Inuceleț " sat. Vorniceni

septembrie 1996 – mai 2006

Școala medie, sat. Sadova

COMPETENTE PERSONALE

Limba(i) maternă(e) Româna

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Rusă	C1	B2	B2	B2	B1

Competențe de comunicare

- bune abilități de comunicare dobândite în urma discuțiilor cu beneficiarii pentru convingerea căror soluții sunt mai bune în proiectarea sistemelor de încălzire și ventilație.

Permis de conducere B, C

CURRICULUM VITAE

Position Title and No.	QA Manager/Auditor
Name of Expert	Victor Lucasenco
Date of Birth	17 December 1986
Country of Citizenship/Residence	Republic of Moldova

Education:

09/2009-02/2011	Technical University of Moldova Degree: Master degree in Construction, Specialization Structural Engineering
09/20065-06/2009	Technical University of Moldova Degree: Bachelor's degree / Construction and Civil Engineering
Other training	Knowledge of calculation programs (softs) for dimensioning of civil and industrial constructions: SCAD, SketchUp. Good knowledge of: Word, Excel, Microsoft Project, AutoCad, etc.

Employment Record relevant to the Assignment:

Period Month/year to Month/year	Employing Organisation and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
December 2013 - Present	Lunicon Proiect L.L.C.; Quality Assurance Manager, Construction Supervisor <u>For references:</u> Tel: +373 691 45 578; e-mail: nicolae.lucasenco@gmail.com; Mr. Lucasenco Nicolae, Managing Director	Republic of Moldova	<ul style="list-style-type: none"> • Degree in Construction and Civil Engineer • Over 11 years of professional experience in architecture and civil engineering projects, projects in renewable energy and energy efficiency, construction supervision, Quality Assurance Manager • Support to project and contract • Preparation and evaluation of detail design, bill of quantities and tender documents for civil and architecture projects • Workshops for the presentation of the detail design • Coordination of detail design with project verifiers • Construction supervision of civil and architecture buildings • Preparation of procurement documents for prequalification and evaluation of prequalification of applicants • Knowledge about FIDIC contracts • Skills in managing a team composed of local and international experts

Membership in Professional Associations and Publications: -

Language Skills:

Proficiency: *excellent, good, fair, or poor*

	speaking	reading	writing
Romanian	excellent	excellent	excellent
English	good	good	good
French	excellent	excellent	excellent
Russian	good	good	fair

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> According with ToR, technical offer and work schedule 	<p>Name of Assignment or Project: Design services for the "Reconstruction of the cultural house in the village of Sărătenii Vechi, Telenești district"</p> <p>Year: 02/2023 – 12/2023</p> <p>Location: Republic of Moldova</p> <p>Client: Saratenii Vechi village town hall, Telenesti district</p> <p>Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and boiler room, interior construction works of buildings.</p> <p>Positions held: Quality Assurance Manager</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Oversee the activity of the quality assurance department and staff; Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. <p>Financed by Government of the Republic of Moldova</p>
	<p>Name of Assignment or Project: Design services of the 4 Police Departments in Chisinau, wich include the thermal insulation of the facade, the change of the roof and the installation of ON-GRID photovoltaic panels.</p> <p>Year: Since 06/2022-08/2022</p> <p>Location: Republic of Moldova</p> <p>Client: The General Inspectorate of the Police</p> <p>Main Project Features: The design of the thermal insulation of the façade, roof design, the design of photovoltaic installations on the roof of buildings, interior construction works of buildings.</p> <p>Positions held: Quality Assurance Manager</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Oversee the activity of the quality assurance department and staff; Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Design services for the "Reconstruction of the barracks within the Dănceni anti-aircraft missile regiment".</p> <p>Year: Since 03/2022-07/2022</p> <p>Location: Republic of Moldova</p> <p>Client: Agency for Resource Assurance and Heritage Administration of the Ministry of Defence</p> <p>Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and boiler room, new electrical system, interior construction works of buildings.</p> <p>Positions held: Quality Assurance Manager</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Oversee the activity of the quality assurance department and staff; Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. <p>Financed by the national budget</p>
	<p>Name of Assignment or Project: Design services for the reconstruction of the administrative building with 3 levels and basement of the IGP, located in the municipality of Chisinau, 156 Dosoftei street.</p> <p>Year: Since 03/2021-11/2021</p> <p>Location: Republic of Moldova</p> <p>Client: The General Inspectorate of the Police</p> <p>Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings.</p> <p>Positions held: Quality Assurance Manager</p> <p>Activities performed:</p> <ul style="list-style-type: none"> Oversee the activity of the quality assurance department and staff;

Detailed Tasks Assigned on Consultant's Team of Experts	References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<ul style="list-style-type: none"> • Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. Financed by the national budget <p>Name of Assignment or Project: Services for the development of the execution project for the Renovation of the Premature Block of the Mother and Child Institute, as well as the provision of medical equipment". Year: Since 08/2021-12/2022 Location: Republic of Moldova Client: PHI "Mother and Child Institute" Main Project Features: The design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings. Positions held: Quality Assurance Manager Activities performed:</p> <ul style="list-style-type: none"> • Oversee the activity of the quality assurance department and staff; • Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. Financed by the national budget <p>Name of Assignment or Project: Large Infrastructure Operational Programme 2014 – 2020. Feasibility study development, environmental impact assessment and technical project documentation development services for the creation of the Communication Training Module, within the Republican Training Center of IGSU branch in the village of Răzeni, Republic of Moldova Year: 12/2019 – 03/2020 Location: Republic of Moldova Client: The General Inspectorate for Emergency Situations Main Project Features: The design of the thermal insulation of the façade, design of the ventilation system, design of the new heating system and electrical system, interior construction works of buildings. Positions held: Quality Assurance Manager Activities performed:</p> <ul style="list-style-type: none"> • Oversee the activity of the quality assurance department and staff; • Implementing, and maintaining a system of quality and reliability testing for the organization's products and/or development processes. Financed by European Union

Expert's Contact information:

Email: victor.lucasenco@yahoo.com
Phone: 0037369524734

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, 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 by the Client, and/or sanctions by the Bank.

23/07/2024

Victor Lucasenco

Signature

Date

Dr. Sabine Lieth

23/07/2024

Name of authorized
Representative of the Consultant
(the same who signs the Proposal)

Signature

Date

CURRICULUM VITAE

- 1. Numele de familie:** Biber
2. Prenumele: Viorel
3. Data nașterii: 31.05.1984
4. Naționalitatea: R. Moldova
5. Starea civilă: Celibatar
6. E-mail/tel viorel.biber@gmail.com / 0695 45 103
7. Studii:

Instituția:	Universitatea Tehnică a Moldovei, Facultatea de Energetică.
Data: începând cu (luna/anul): până la (luna/anul):	Septembrie, 2001 Iunie, 2006
Diploma obținută:	Inginer licențiat în domeniul proiectării și exploatării mașinilor și aparatelor electrice. Chișinău, Moldova

8. Limbile cunoscute: (De marcat de la 1 până la 5 după competență, 5 fiind cel mai înalt nivel)

Limba	Citit	Vorbit	Scris
Româna	5	5	5
Rusa	5	5	5
Franceza	3	3	3
Germana	3	3	3

9. Alte aptitudini (ex.: calculator etc.): MS office Word, Excel, AutoCad, MathCad, DIALux.

10. Poziția prezentă: Inginer-proiectant, S.R.L. "Apcan Proiect", proiectarea instalațiilor electrice interioare și rețelelor de alimentare cu energie electrică cu tensiunea până la 10kV, servicii de consultare.

11. Anii lucrați în domeniul instalațiilor și rețelelor electrice: 10.

12. Experiența profesională:

Data: începând cu (luna/anul): până la (luna/anul):	Octombrie 2018 – prezent
Localitatea:	Chișinău
Compania:	"Apcan Proiect" S.R.L.
Poziția:	Inginer proiectant instalații electrice interioare și rețele de alimentare cu energie electrică.
Descriere:	Proiectarea instalațiilor electrice interioare și rețelelor de alimentare cu energie electrică cu tensiunea până la 10kV, servicii de consultanță.

Data: începând cu (luna/anul): până la (luna/anul):	Iunie 2009 – Octombrie 2018
Localitatea:	Chișinău
Compania:	I.M. "Arhibas" S.R.L.
Poziția:	Inginer proiectant.
Descriere:	Proiectarea instalațiilor electrice interioare; Proiectarea instalațiilor electrice exterioare cu tensiunea până la 10kV; Întocmirea devizelor; Controlul calității lucrărilor de montaj electric;

Data: începând cu (luna/anul): până la (luna/anul):	Iulie 2008 – Iunie 2009
Localitatea:	Chișinău
Compania:	"Niren-Cons" S.R.L.
Poziția:	Mastru de sector.
Descriere:	Dirijarea mersului lucrărilor de montaj electric.

Data: începând cu (luna/anul): până la (luna/anul):	Aprilie 2007 – Iunie 2008
Localitatea:	Chișinău
Compania:	"Termostal-Imex" S.R.L.
Poziția:	Referent tehnic echipamente electrice.
Descriere:	Consultarea clienților potențiali; Vânzarea echipamentelor electrice;

Data: începând cu (luna/anul): până la (luna/anul):	Iulie 2005 – Octombrie 2006
Localitatea:	Chișinău
Compania:	S.C. "Electromașina" S.R.L.
Poziția:	Inginer tehnolog categoria 3.
Descriere:	Proiectarea motoarelor electrice pentru mașina de spălat Aurica;

13. Altele: handbal, natație, fotbal.

Certificare:

Eu, subsemnatul, certific că, cele mai bune din cunoștințele mele, aceste date mă descriu în mod corect, calificările mele și experiența mea.

Biber Viorel

11.05.2024

Numele, prenumele

Semnătura

Data