



Dumitru Josan

Date of birth: 10/05/1984 | **Place of birth:** Chisinau, Moldova |

Nationality: Moldovan, Romanian | **Phone number:** (+373) 79025950 (Mobile) | **Email address:**

josan.dima@gmail.com | **Address:** Tricolorului 15, MD-6801, Ialoveni, Moldova (Home)

WORK EXPERIENCE

PROJECT MANAGER (INDUSTRIAL AUTOMATION SYSTEM EXPERT ENGINEER) – INDEED SRL – 01/04/2024 – Current – CHISINAU, MOLDOVA

Main Job Task - Organization of the team and the entire volume of work for the implementation and smooth development of industrial automation projects:

- Preparing the commercial offers and contracting the works.
- Designing the automatic control systems (Project Documentation),
- Assembling control cabinets.
- Conducting FAT procedures (Factory Acceptance Test) for assembled cabinets.
- Developing the automatic operation algorithm of control systems (PLC operating programs).
- Developing the HMI or / and SCADA system for the operator's interaction with the control systems.
- Testing and commissioning of automated industrial control systems.
- Installation, wiring, connection, and commissioning of industrial automatic control systems.
- Conducting SAT procedures (Site Acceptance Test) and staff training.
- Providing support and interventions during the warranty and post-warranty period.

NATIONAL CONSULTANT TO DEVELOP TECHNICAL SPECIFICATIONS FOR THE ACQUISITION, INSTALLATION AND IMPLEMENTATION OF THE MONITORING, CONTROL/COMMAND AND DATA ACQUISITION SYSTEM (SCADA – SUPERVISORY CONTROL AND DATA ACQUISITION) FOR UNGHENI MUNICIPALITY – UNITED NATIONS DEVELOPMENT PROGRAMME UNDP – 25/07/2023 – 01/03/2025 – CHISINAU, MOLDOVA

- Conduct needs assessment and provide technical recommendations for the acquisition and implementation of SCADA system for Ungheni Municipality.
- Draft the Technical Specifications for the acquisition, installation and implementation of the monitoring, control/command and data acquisition system (SCADA – Supervisory Control And Data Acquisition) in the Ungheni region.
- Support during the bidding and evaluation processes.
- Support in monitoring and evaluation of the quality of services provided by the selected company.

PROJECT MANAGER (INDUSTRIAL AUTOMATION SYSTEM EXPERT ENGINEER) – ELECTROIMPORT SRL – 01/2009 – 01/04/2024 – CHISINAU, MOLDOVA

Main Job Task - Organization of the team and the entire volume of work for the implementation and smooth development of industrial automation projects:

- Preparing the commercial offers and contracting the works.
- Designing the automatic control systems (Project Documentation),
- Assembling control cabinets.
- Conducting FAT procedures (Factory Acceptance Test) for assembled cabinets.
- Developing the automatic operation algorithm of control systems (PLC operating programs).
- Developing the HMI or / and SCADA system for the operator's interaction with the control systems.
- Testing and commissioning of automated industrial control systems.
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- Conducting SAT procedures (Site Acceptance Test) and staff training.
- Providing support and interventions during the warranty and post-warranty period.

SCADA AND INDUSTRIAL AUTOMATION SYSTEM EXPERT – OVE ARUP IN CONSORTIUM WITH TCD – PROJECT IMPLEMENTATION UNIT SUPPORT – 10/2017 – 31/12/2022 – CHISINAU, MOLDOVA

General Project: Chisinau Water Development Program.

Project Description: Design, Procurement, Contract Administration and Supervision for general employer S.A. Apa Canal Chisinau.

Main Job Task - Assistance and consultancy for the general contract manager:

- Technical analysis of the solutions proposed by the Contractor in the light of the requirements of the workbook and the conditions of the contract;
- Exposing the objects on the projects and technical documentation issued by the Contractor to the project manager's analysis;
- Exposing proposals for improvement on the projects and technical documentation issued by the Contractor to the project manager's analysis;
- Consultation on technical questions of the project manager.

● EDUCATION AND TRAINING

09/2007 – 06/2008 Chişinău, Moldova

MASTER DEGREE OF INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS Technical University of Moldova, Faculty of Power Engineering, Specialty Industrial Automation.

09/2003 – 06/2007 Chişinău, Moldova

BACHELOR DEGREE - INDUSTRIAL ELECTRICAL AUTOMATION ENGINEER. AUTOMATED ELECTRICAL DRIVES IN TECHNOLOGICAL PROCESSES. Technical University of Moldova, Faculty of Power Engineering, Specialty Industrial Automation.

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B1	B1	B1	B1
RUSSIAN	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● PROJECTS

The main Projects accomplished:

- **Energy, water supply and wastewater.**
 - **Modernization of the Energy Block 100MW. Beneficiary: Termoelectrica, Chisinau, Source 1.**
Description: Replacing the 4.0MW boiler feed pump with a modern 2.9MW pump powered by a Siemens Sinamics Perfect Harmony GH180 frequency converter. Modernization of the entire control system for regulating the water level in the boiler with the provision of a complex technological protection algorithm.
 - **Automatization the city's heating agent pumping stations - (4 x stations) - Beneficiary: Termoelectrica, Chisinau. Description:** The stations were equipped with a group of 3 x 500kW pumps with a complex control system to ensure automatic operation of the station without human personnel. Archiving and remote transmission of critical data of the technological process.
 - **Automatization of main water pumping stations within the city system. Beneficiary: Apa Canal Chisinau.** Complex automatization of pumping stations to ensure automatic regulation of technological parameters. Archiving and remote transmission of critical data of the technological process.
 - **Automatization of wastewater pumping stations - Beneficiary: Apa Canal Chisinau, Apa Canal Briceni, EtCetera Winery.** Automation of the entire technological process of wastewater processing.
- **Grain storage and processing.**
 - **Complex automatization of the equipment for cleaning, drying, and storing the grain. Beneficiary: Giurgiulesti International Port, GLIA CAP Cantemir.**
- **Food and drink industry.**
 - **Implementation of WinCC Unified SCADA system for the acquisition, processing, archiving and analysis of data from the technological process. Beneficiary: EFES Vitanta Brewery.**

- **Modernization of the conveying system to optimize the operating time and increase the energy efficiency. *Beneficiary:* EFES Vitanta Brewery.**
- **Implementation of the control and command system for the group of 23 product pumps and 11 mixers. *Beneficiary:* Sandrilliona SA.**
- **Construction materials manufacturing industry.**
 - **Automatization of the technological process of paint production. *Beneficiary:* Gheton Grup SRL. *Description:* Implementation of the automation system for creating, editing, and controlling on base of recipes the production of water-based paints.**
 - **Modernization of the automation control system of the concrete production plant. *Beneficiary:* Anazar Impex SRL.**
- **Printing houses.**
 - **Modernization of the high productivity paper cutting machine. *Beneficiary:* Typography Bonsofice SRL.**
 - **Complex modernization of the high productivity book sewing machine. *Beneficiary:* Typography Bonsofice SRL.**
- **Waste processing.**
 - **Complex automatization of the first waste processing plant in the city of Chisinau. *Beneficiary:* ABS SRL. *Description:* Two waste processing lines and one PET processing line.**

● **JOB SKILLS**

Professional skills

- Execution of the project documentation (Electrical diagram, P&I diagram, panel layout, connection list, cable list, part list...).
Advanced knowledge: EPLAN.
Base knowledge: Phoenix Contact PROJECT, AutoCAD, SketchUp.
General knowledge: CorelDRAW, Photoshop.
- Advanced knowledge in assembling of control cabinets.
- PLC programing.
Advanced knowledge: Siemens - TIA Portal, Step 7; Schneider Electric - SoMachine, Machine Expert Basic.
- HMI programing.
Advanced knowledge: Siemens – WinCC Advanced; Schneider Electric – Vijeo Designer, EcoStruxure Operator Terminal Expert; Progea – Movicon HMI; Wientek – EasyBuilder.
- SCADA Systems developing.
Advanced knowledge: Siemens – WinCC Professional, WinCC Unified; Progea – Movicon SCADA.
Base knowledge: Schneider Electric – Citect SCADA; COPADATA – Zenon SCADA.
- Commissioning and parameterization of variable speed drive and servo drives (Schneider Electric, Siemens, LENZE...)

General skills

- Organizational skill as a team leader.
- Patience and perseverance.
- Having high standards of appreciation and quality control.
- I love my work and my field of activity. For me is a great pleasure to share my professional experience and my knowledge to young specialists. I consider it a good investment to a better future.

● **CERTIFICATIONS**

Certifications

Project Supervisor of specialized works execution - Automation Installations. Holder of the Card Series 2017-DLS, No 1462