



ROTARU FLORIN

BIM/Digital Engineering specialist and professionally qualified Mechanical Engineer with immense 6+year experience in Revit, Plant3D, Advance Steel and Mechanical modeling, Scan to BIM, Coordination and Design optimization,

Multiple Projects Co-ordination including High-Rise, Commercial Buildings and Process Plant Layout and Piping Design.

I have achieved high productivity and time efficiency in BIM projects simultaneously using Revit, Autocad Plant3D and Navisworks for clash detection.

Being a BIM practitioner and having a solid background in BIM/VDC with sound knowledge in Revit, Autocad Plant3D and Navisworks,

I have had opportunities to render my services to take the project from a nascent stage to develop fully from design to construction set of documentation through various necessary stages with complete Co-ordination and management.

BIM documentation management and their development such as: BIM execution plan, Process map, Level of details matrix

PERSONAL

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INTERESTS

- BIM and Digital Technology
- Programming language-Python
- Linux and Unix operating system



EDUCATION AND QUALIFICATIONS

- Oct 2007 - Jul 2010 **Master's degree.**
PETROLEUM-GAS UNIVERSITY OF PLOIESTI, Ploiesti
- Oct 2001 - Jul 2007 **Bachelor's degree.**
PETROLEUM-GAS UNIVERSITY OF PLOIESTI, Ploiesti
- Sep 1998 - Jul 2001 **High-school**
Energy Technological High School "Elie Radu", Ploiesti



WORK EXPERIENCE

- Nov 2017 - Present **BIM Specialist**
AECOM, Bucharest
DIGITAL DELIVERABLE DEPARTMENT
 - Involved in a variety of projects in the water and industrial plant including pipelines, pumping stations, sewage treatment and water treatment plants, structure and piping design.
 - Development of necessary internal procedures BIM projects
 - Creating workflows for the software technology stack
 - Highly interested in BIM implementation on project delivery, scheduling, simulation and more.
 - Highly interested in implementing automation of Autodesk applications and products at the API level**CAD DEPARTMENT**
 - Responsible for managing CAD hardware and software systems for the design teams;
 - Identify opportunities and recommendations for increasing workflow efficiencies;

- Recommend best practices for solutions to meet customer business needs.
- Configuration, implementation, maintenance of computer aided engineering applications in the field of computer aided design

Mar 2017 - Nov 2017

BIM COORDINATOR / Mechanical Engineer

[Tebodin Consultants & Engineers SRL, Bucharest](#)

- Manage database settings for PLANT3D
- Manage database settings for Revit
- Assigned to Tebodin Netherland Elsloo Office
- Responsible for align with others office from Tebodin Europe

Feb 2013 - Mar 2017

Mechanical Engineer

[Tebodin Consultants & Engineers SRL, Ploiesti](#)

- Manage database settings for PLANT3D, Navisworks and Revit
- Manage general arrangement, isometrics and 3D Models
- Owner for four buildings
- Detailed 3D modelling of equipment, pipe routings according to P&ID's, supports using Plant 3D, piping classes
- Assigned to Tebodin Ukraine CFI Lviv Office for tender phase and I was involved for basic piping studies, 3D routing using Revit MEP according to P&IDs, and modelling equipment, general arrangement of piping and equipment, MTO for the utility systems of a car factory (automotive industry), piping input for CAPEX
- 3D piping routing using Cadworx, Isometrics
- Modeling and documentation for Detail design for Burcioaia & Madulari
- Site survey for Petrom project
- Detail design for Petrom project
- Conceptual / Feed phase for Petrom project
- Data sheet (static and dynamic equipment)
- Drawings for Equipment
- Specifications for Equipment
- Installation Manual
- Calculation Notes for vessel pressure and tank

Nov 2009 - Feb 2013

Mechanical Engineer

[SC Uzuc Proiect SRL Ploiesti, Ploiesti](#)

- Preparation of final documentation using AutoCAD software (approval drawings and execution details of pressure vessels and mechanical constructions: constructive dimensions, measurement reports, welding joints and their appropriate nondestructive examination, in accordance with applicable normative and/or client's requirements)ASME Code Sect VIII, EN 13445, Ped 5500

Aug 2007 - Nov 2009

Mechanical Engineer

[SC IPIP S.A., Ploiesti](#)

- Calculation of existing equipment in the refinery project supervision verifier. Preparing detail drawings of equipment in the plant refinery for Lukoil and Petrobrazil

Aug 1998 - Jul 2007

Electrician

[SC Spoting S.A, Ploiesti](#)

- Installation for protection against accidental touch voltages
- Installation of lightning protection of buildings against the effects
- Mounting apparatus and elements of measurement and control equipment and technological pipelines
- Plants signal for transmitting information, and installation of
- Attendants electricians used as heating systems (switches, pots and
- Containers for technological equipment)



SKILLS

Revit	★ ★ ★ ★ ★
Autocad Plant3D	★ ★ ★ ★ ★
Autocad	★ ★ ★ ★ ★
Navisworks	★ ★ ★ ★ ★
Inventor	★ ★ ★ ★ ★
Solidworks	★ ★ ★ ★ ★
Advance Steel	★ ★ ★ ★ ★
Civil3D	★ ★ ★ ★ ★
SolidEdge	★ ★ ★ ★ ★
Python	★ ★ ★ ★ ★
Dynamo	★ ★ ★ ★ ★