

# BIM Workflow with a Focus on Finite Element Method Analysis

Marius Jablonskis - NTI CADcenter AS

## SE1881

In this class, you will learn about the interaction between Autodesk® Revit® Structure, AutoCAD® Structural Detailing, and Autodesk® Robot™ Structural Analysis software. We will focus on analysis, code checking, and analysis in the cloud. We will demystify the integration between Revit Structure and Robot Structural Analysis, refuting all rumors that the integration is not good enough to use. The class will cover the history of the analytical model in Revit and describe how it has improved. We will explain why you need it and talk about what you need to take into consideration when modeling. You will learn the proper workflow to achieve optimum integration as well as how to export and import files.

## Learning Objectives

At the end of this class, you will be able to:

- Explain workflow in Revit, Robot and Detailing integration
- Manipulate the analytical model
- Perform structural analysis of the analytical model in Autodesk 360
- Transfer a structure model defined in Revit to Robot
- Update a structure model in Revit after making changes in Robot

## About the Speaker

Marius Jablonskis is a certified structural engineer having in-depth experience in FEM analysis and design of wide scope of structures, including buildings, bridges, civil, and specialty structures. Currently he's engaged as senior consultant BIM solutions in NTI CADcenter (Autodesk Gold Partner and Authorized Training Center) focusing on BIM workflows and FEA. He has consulted and trained structural engineering professionals for more than 5 years to Autodesk® Robot™ Structural Analysis, AutoCAD® Structural Detailing and Revit® Structure.

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**Handout will be made available after AU session**

For this lecture, there is no handout as the lecture will be recorded and made available for viewing and downloading after the AU session.

Feel free to contact me for more information on [maj@nticad.no](mailto:maj@nticad.no)