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B.Sc. CE

Company: Institut IGH, d.d., Zagreb, Croatia

Position: BIM Manager

Responsibilities: BIM Implementation and Development

Mr Andabaka, your company Institut IGH d.d. has been using the SOFiSTiK FEA Software for infrastructural projects since 1997, this means for more than 20 years. Could you please tell us how your engineering work, the software and the demands on the projects have changed over the past two decades?

The situation in IGH is in general similar to trends which are happening in industry. Deadlines are becoming shorter, clients are more demanding, and so we tend to provide solutions according to that. IGH was always trying to be the regional leader in positive trends which are happening in the construction industry. It was SOFiSTiK FEA Software 20 years ago, and today it's BIM.

Some years ago, you have introduced the new BIM Workflow in the infrastructure department. Why have you decided for this step and which software have you implemented?

We are living and working in a time where information and possibility to exchange it has enormous value. Traditional design methods lack of it. I think that all other benefits of BIM are already well known and recognized in Industry, so there's no need to speak about them once more. Also, demands of clients in the early phases of projects have changed. Building companies are also

evolving, they are asking for new delivery formats of data. But on top of that is IGH constant investment in employees and their knowledge. In our focus are Autodesk tools and software like Revit, Civil 3D and Infracore. But some of our teams are using Bentley, Allplan and Trimble solutions. It depends on the project requirements.

In which projects have you used the SOFiSTiK Bridge + Infrastructure Modeler (SBiM) for REVIT so far?

SOFiSTiK Bridge + Infrastructure Modeler is used for bridge and tunnel design in all new infrastructure projects. These are mainly new highway projects, where the client is Hrvatske Ceste d.d. (Croatian Roads p.l.c.). Some of them are "DC12 Corridor", "Highway Požega – Staro Petrovo Selo" and "Solinska Širina Intersection".

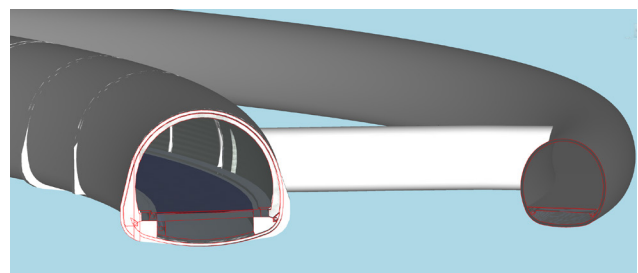


Image 1: Highway Požega – Staro Petrovo Selo

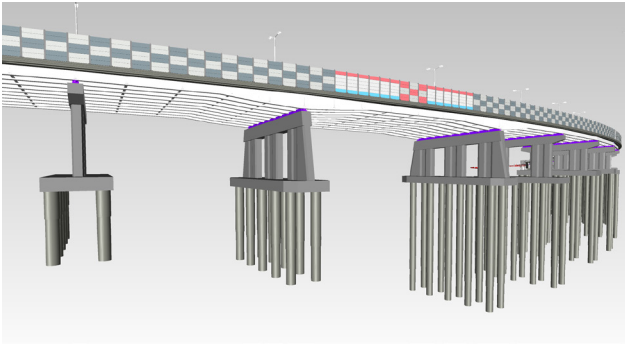


Image 2: Solinska Sirina Intersection Bridge Jadro

What are your experiences with REVIT and SBiM so far? In which way did they change your working process?

Considering that coworkers were familiar with SOFiSTiK Analysis tools, SBiM was a reasonable choice to proceed with in our BIM Projects. We are satisfied with the functionalities and how it's making, otherwise complicated tasks in Revit, user-friendly and easy to use. Also, it seems that SOFiSTiK is listening to it's customers, so that new versions of SBiM have functionalities that were asked for, so it's one more reason to be happy. To be honest, it was not easy to start. It required a lot of BIM specific tasks to be handled at the beginning, but with each new bridge and project it's easier. We are building our personalized libraries, which makes us faster, and better prepared for future challenges.

Where do you see the next steps of BIM in the infrastructural sector? In which way does the software development has to be improved to fit clients' and projects' demands in the future?

It's ungrateful to predict such things. While where for some of us something is future, it's already

present in other parts of the world. Technology is rapidly evolving, and it's difficult to follow, even for the people who are into BIM and VDC. Programs which will be easy to use and simple to understand will be adopted faster and better by end users. Software needs to be the tool which helps us reach our final goal, and unfortunately it's often one of the obstacles on our path. Simple, stable, fast, and not too expensive of course, sounds like the perfect recipe.

Dear Mr. Andabaka, Thank you very much for the pleasant and informative interview. We wish you and your team all the best and a lot of success with your projects.

Thank you for the opportunity to share our experience. We hope our cooperation will continue in more great projects.

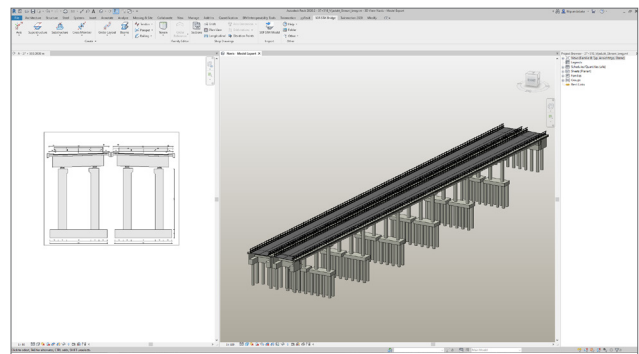


Image 3: DC12 Bridge Skresni Breg



Institut IGH d.d.
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