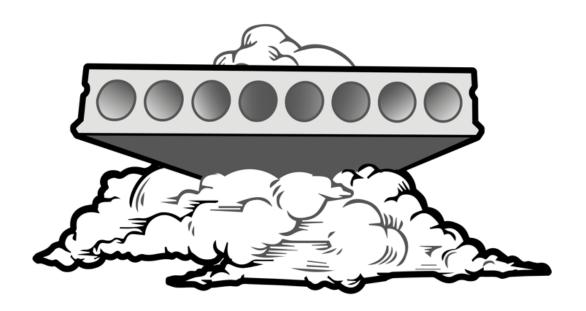
IPHA TT May 2019 Software System: IMPACT Production



Things we picked up earlier today

"The future is not far away, it is already here"
-Sabine Erspamer
25-05-2019

"In the near future we invison you can pick up your smart phone, and see the hollow core is being delivered tomorrow at 8:00"

-Karl Enderes

25-25-2019

"You are an idiot if you are not using the best tool possible" -Manfred Fischer, 1972

The need for a common data sharing platform for precast concrete professionals

- Strusoft has been developing software since the 80´s, back then under Skanska, one of the biggest contractors in the world.
- One of the software systems we developed was IMPACT, a system allowing for automatic drawing of Precast Concrete elements.
- In the late 2000's we recognised a need and a gap between the drawing departments, and the project management, production, transport and erection. – This Kickstarted the IMPACT Production project.



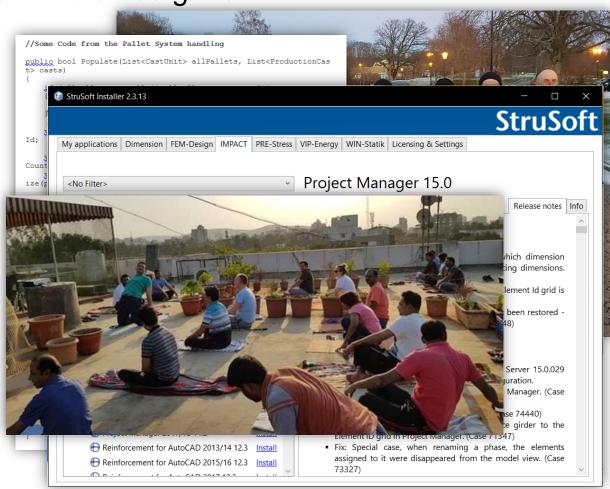
"The project" Team Efforts

From 2012-2019, more than 40.000 man hours has gone into

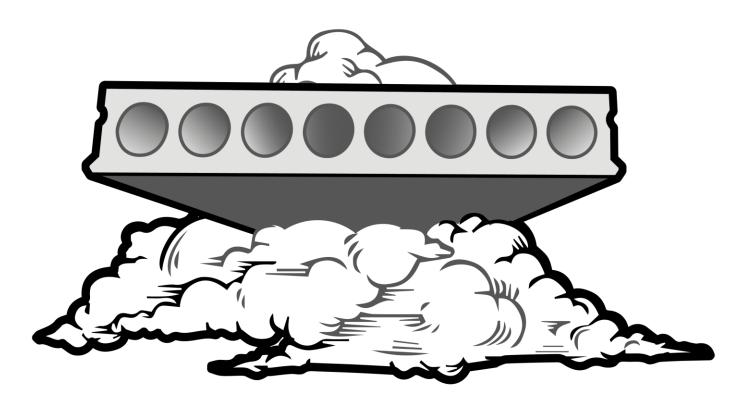
development of IMPACT production.

More than 370.000 lines of code.

- Continously developing new versions.
- Established Support network across time zones.



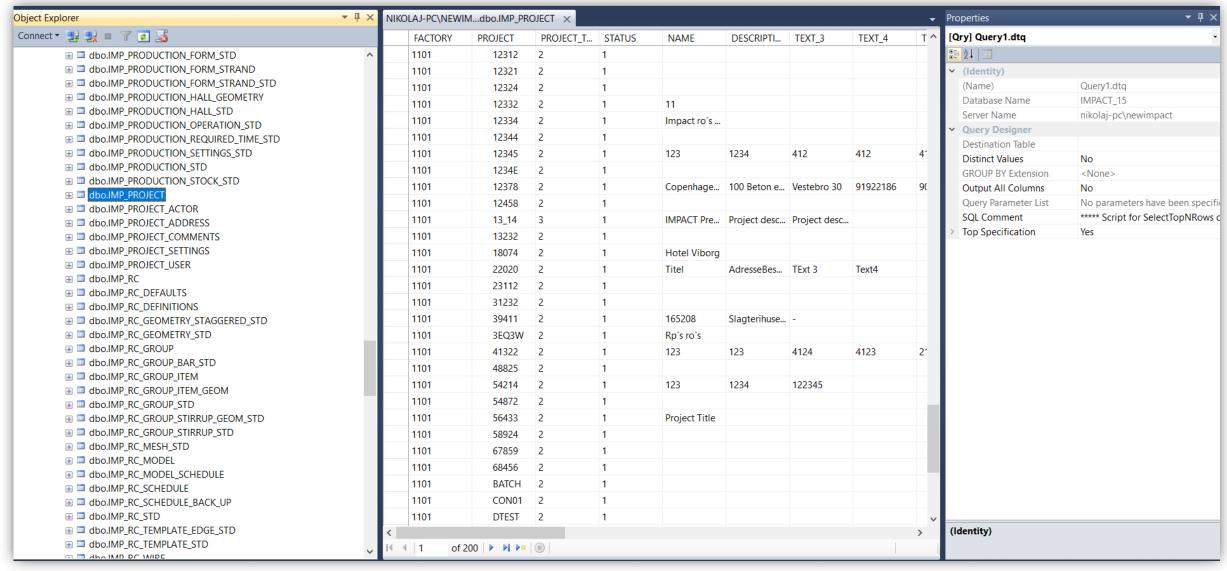
What is IMPACT(Production)?



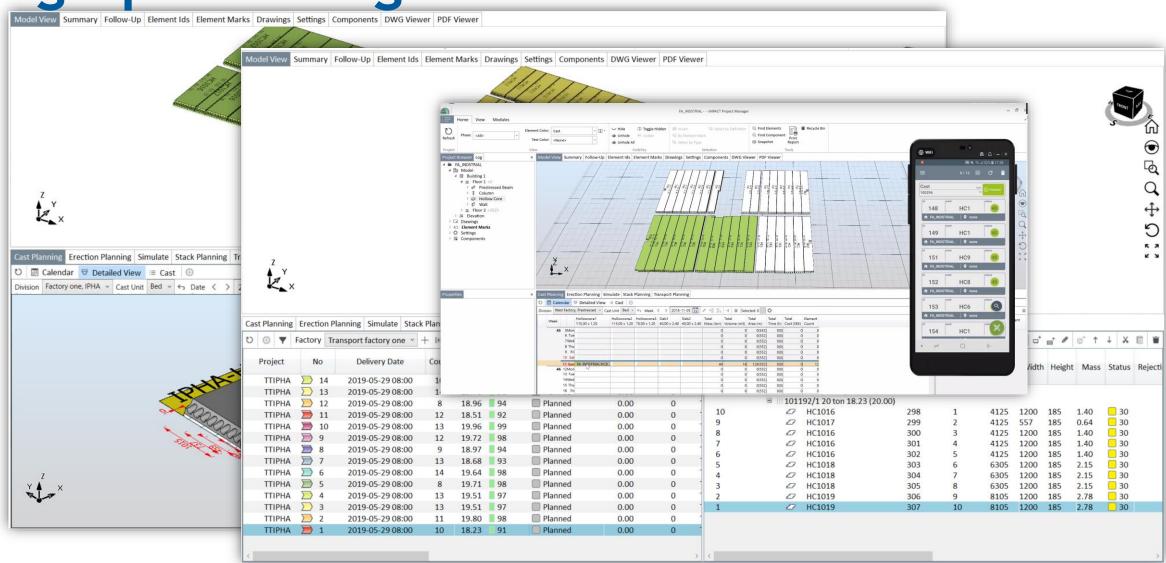
(4) IMPACT 15

- Software that brings all actors together in the Precast process
- Data for everyone connected through SQL database
- Production planning, cost calculation, load planning, erection planning and more.
- Simple 3D model and table based user interfaces that maximizes output with minimum input. All created from the SQL.
- All live, continously updated and in the cloud!

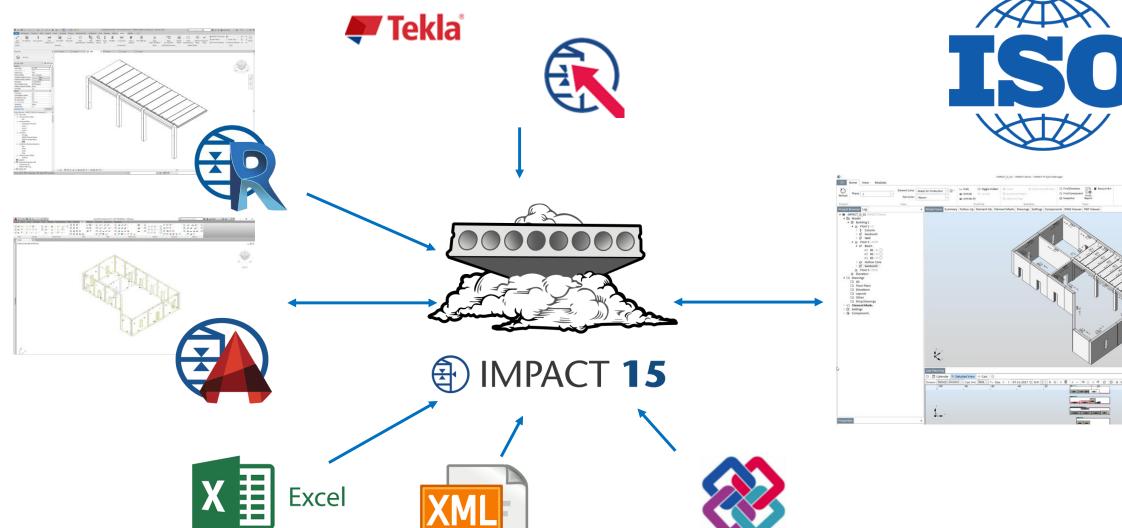
What is an SQL database?



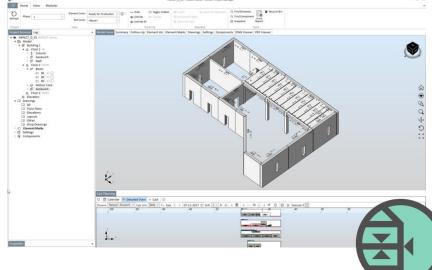
SQL Data to 3D models using a graphical engine



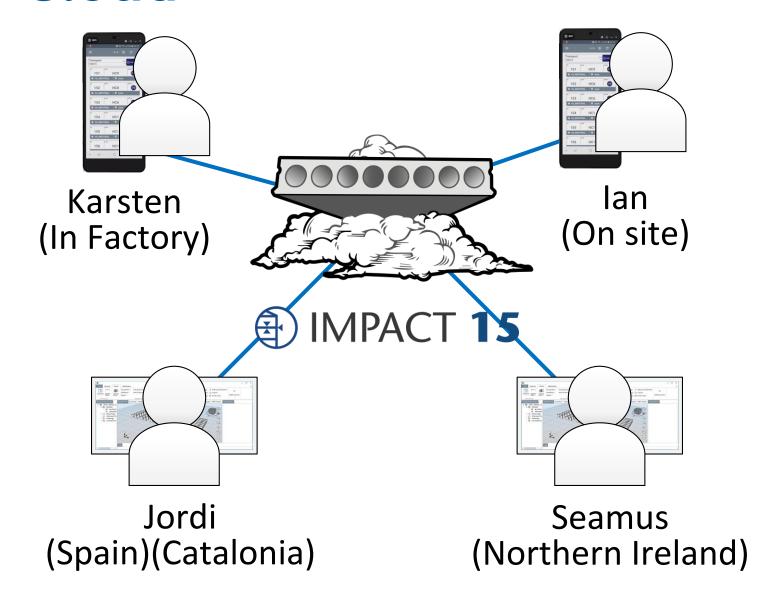
Working through a common database







In the Cloud



Users

"We chose IMPACT planning software because it's so easy to use, the interfaces are very well designed and presented... (we) quickly get on with the work in hand without issues, and complicated procedures."

"Our Transport-contractor is now able to connect directly and make the transport loads directly from the 3D planning model, this makes coordination much easier between design, production and transport"

"I did not realize how easy to use, and intuitive IMPACT production was before I tried it"



In conclusion

- A unique way of creating 3D models out of pure SQL data
- A very advanced but simple to use user-interface focusing on natural movements – anyone can learn this in just a few hours.
- Database is in the Cloud, which means accessability from anywhere at any time – Both with mobile phones and computers
- Ability to import data from other software systems
- Complete visibility of all projects, and all Elements at the same time through interfaces relaying the SQL data.

