



**RAMBOLL**

## DIGITAL SERVICES FABRICATION DESIGN - PRECAST CONCRETE

### Fabrication Design

Ramboll has extensive experience in making production drawings for precast concrete. Over the past years, Ramboll has created more than 10,000 production drawings for walls, beams and columns. Ramboll can assist with structural calculations, full 3D modelling of geometry and reinforcement, extracts of production drawings, material lists and data files for machinery.

### Optimised reinforcement layout

Ramboll has developed calculation software based on the theory of plasticity. The software is unique in the Danish building industry. With the Ramboll software, you can optimise the reinforcement layout and thereby achieve significant savings in amount of reinforcement needed.

### Optimising the process

If Ramboll is asked to make fabrication designs for precast concrete as part of the detailed design, then time from tender to installed concrete on site can be

effectively reduced. The concrete supplier can thus start the production as soon as they have been awarded the contract. In turnkey projects as well, Ramboll can supply the final production drawings directly to the concrete sub-suppliers. Ramboll often works directly for the subcontractor as well. At Ramboll we are flexible when it comes to adjusting drawing settings according to the suppliers' needs. Production of fabrication drawings also supports Ramboll's "Fast-Track"-model where the goal is to minimise time from project start to finished building.

### Cooperation

Ramboll uses Tekla Model Sharing for sharing models between companies and countries. External companies can get access to the models, making the cooperation work even more smoothly.

Modelling in Tekla can be integrated with modelling in Revit. Projects started in Revit can be transferred to Tekla and be further detailed.

### Competitive prices

Ramboll can offer production drawings for precast concrete at competitive prices, based on the effective combination of Ramboll employees with substantial Tekla skills, both in Denmark and in Ramboll Global Engineering Center in India, as well as the good Ramboll settings for production drawings, together with our many years of experience.

### CONTACT

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