



Sugar Silo 60.000 t

Planned by: **IKB** Industrieplanung GmbH

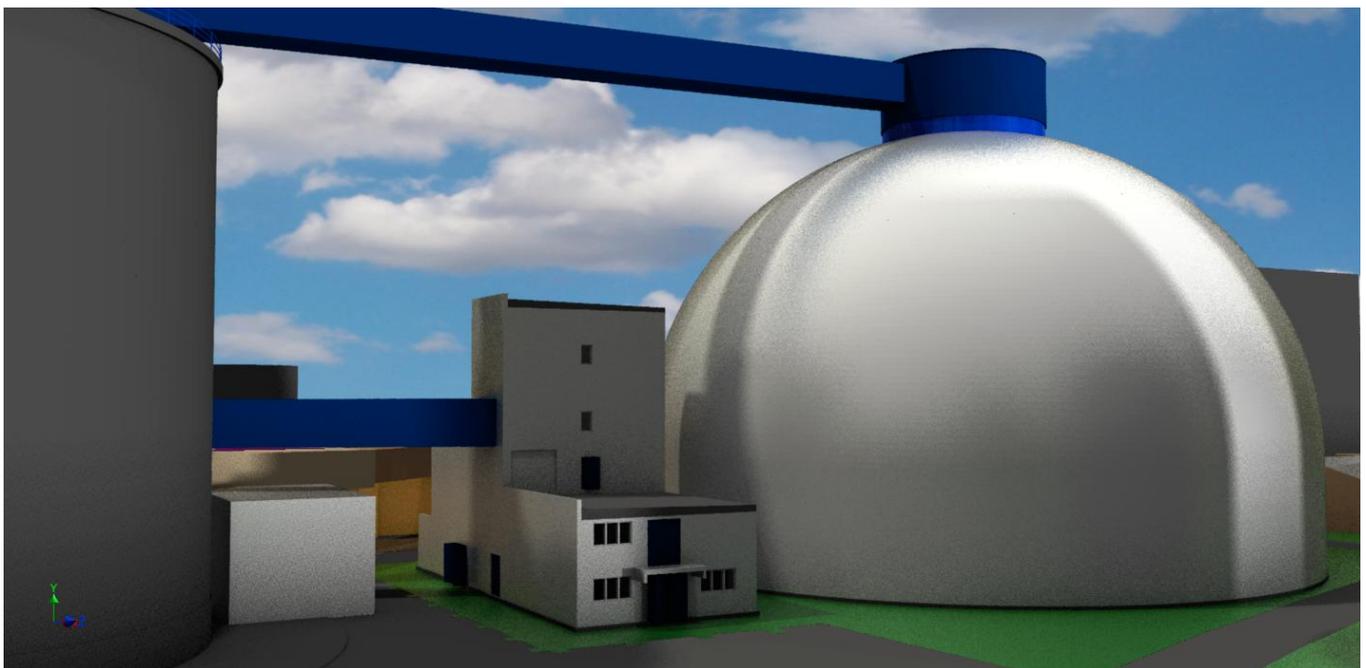
Our task:

Planning and realization of a new 60.000 t sugar silo

The planning services consist of: preliminary building planning, system planning, logistic and project supervision/monitoring during the construction phase.

For capacity increase and flexibility increase on the market the following new buildings were erected at the sugar factory in Kaposvar / Hungary:

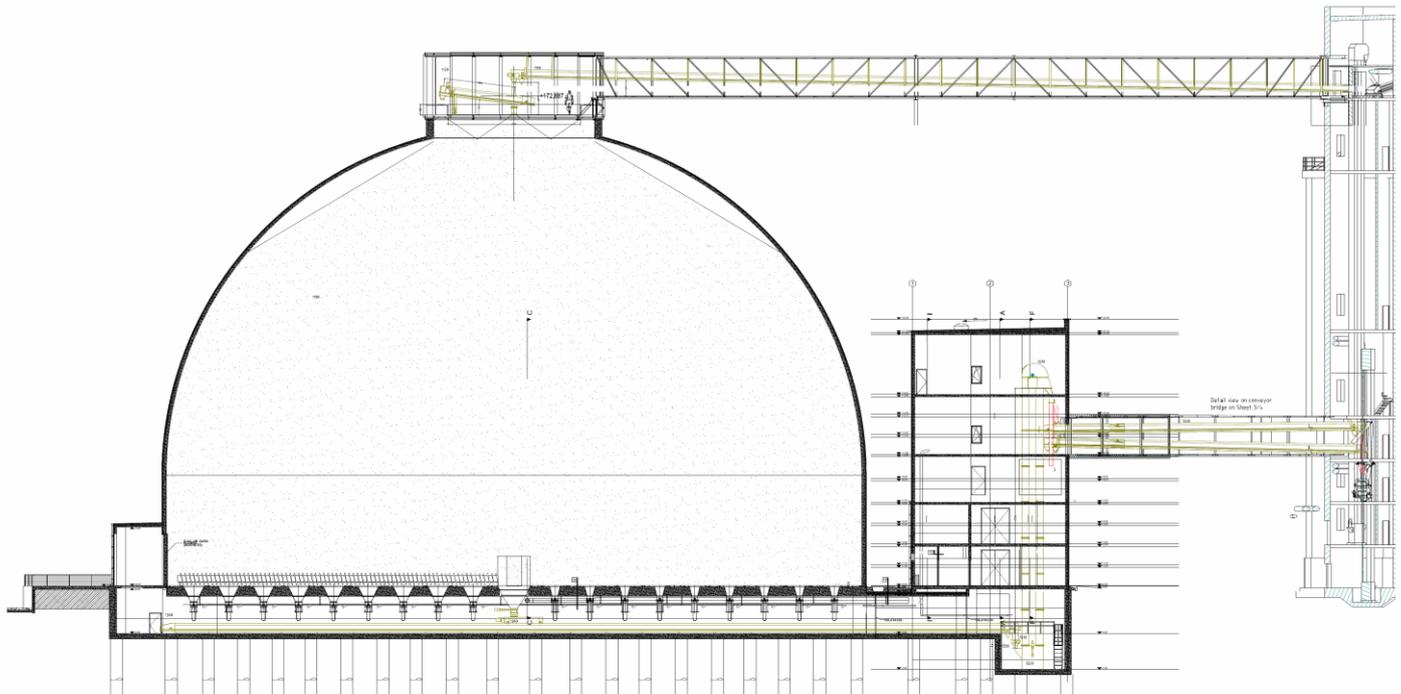
- Sugar Silo 60.000 t in Dome-Silo-construction design
- Building for the technical equipment of the silo
- 2 new conveyor bridges from the existing and back to the existing



Picture 1: General view of the building object in the planning (Silo dimensions: $\varnothing 60,4$ m x 45,1 m high)

Via the new erected upper conveyor bridge the sugar is transported via a trough belt conveyor to the actual silo body and here stored and conditioned.

The discharge of the sugar into the silo is carried out via a rotating filling belt positioned in the silo dome house. This belt discharges via an insertion slot at the outer edge of the silo dome into the silo body.



Picture 2: Section drawing of the new silo

The discharge of the sugar is carried out gravimetrically onto a trough belt conveyor in the silo basement via 18 discharge hoppers, embedded in the silo floor.

The residual discharge of the silo is guaranteed via a residue-emptying-screw conveyor in the inside of the silo and another hopper in the middle of the silo floor.

The discharged sugar is transported via the cellar-trough-belt conveyor in direction to the new technical building and here conveyed onto a trough-belt-conveyor in the lower conveyor bridge via a bucket elevator.

From here further transport of the sugar is carried out into the existing packaging.