

Overview Purac projects

2019 Q4 - Ongoing

Rosenholms rötkammare

~160 MSEK

Rosenholms rötkammare is a new biogas facility in Katrineholm. The new facility is meant to extract biogas from sludge, septic and cake waste. Purac will deliver a finished design of the new biogas facility and then the customer can select contractor to build the facility. The new facility contains a sludge management building, a biogas building around three anaerobic digestion tanks, gas holder, gas torch, biogas upgrade and a biofilter.

To find a layout that worked with gas facility building rules was a big challenge. There was differences in height over the area and an existing road that would be in the way. The solution was to add more soil, and use L-blocks, to level the area at a better height and to be able to keep the existing road placement.

The new sludge management building was also a big challenge. The new building was to be a two story building where an old concrete sedimentation construction should serve as the lower level. I had to recreate the existing construction and then derive the new building from the existing construction. It was difficult to get the best use of existing walls, fit where to place reception of waste and fit large equipment into existing parts of the old construction.

2019 Q1 - Ongoing

Storsätern avloppsreningsverk

~14 MSEK

Storsätern avloppsreningsverk is a partnering project to extend a sewage facility in northern Sweden. The extension contains a new building with a Moving Bed Biofilm Reactor, MBBR, and a new sedimentation.

Distance was a big challenge. I had to rely on pictures and old scanned drawings to build the facility before I could have a chance to visit the existing facility.