

Damvarmelager Høje-Taastrup

Status 2021



Facts

- 70.000 m³ Heatstorage
- 130 m² subterranean pumpstation
- 700 meter "opladerledning"
- 400 m² Exchange building

- Investement: total 75 mio. kr.
- Driftsnytte: 6-7 mio. kr./år

Design

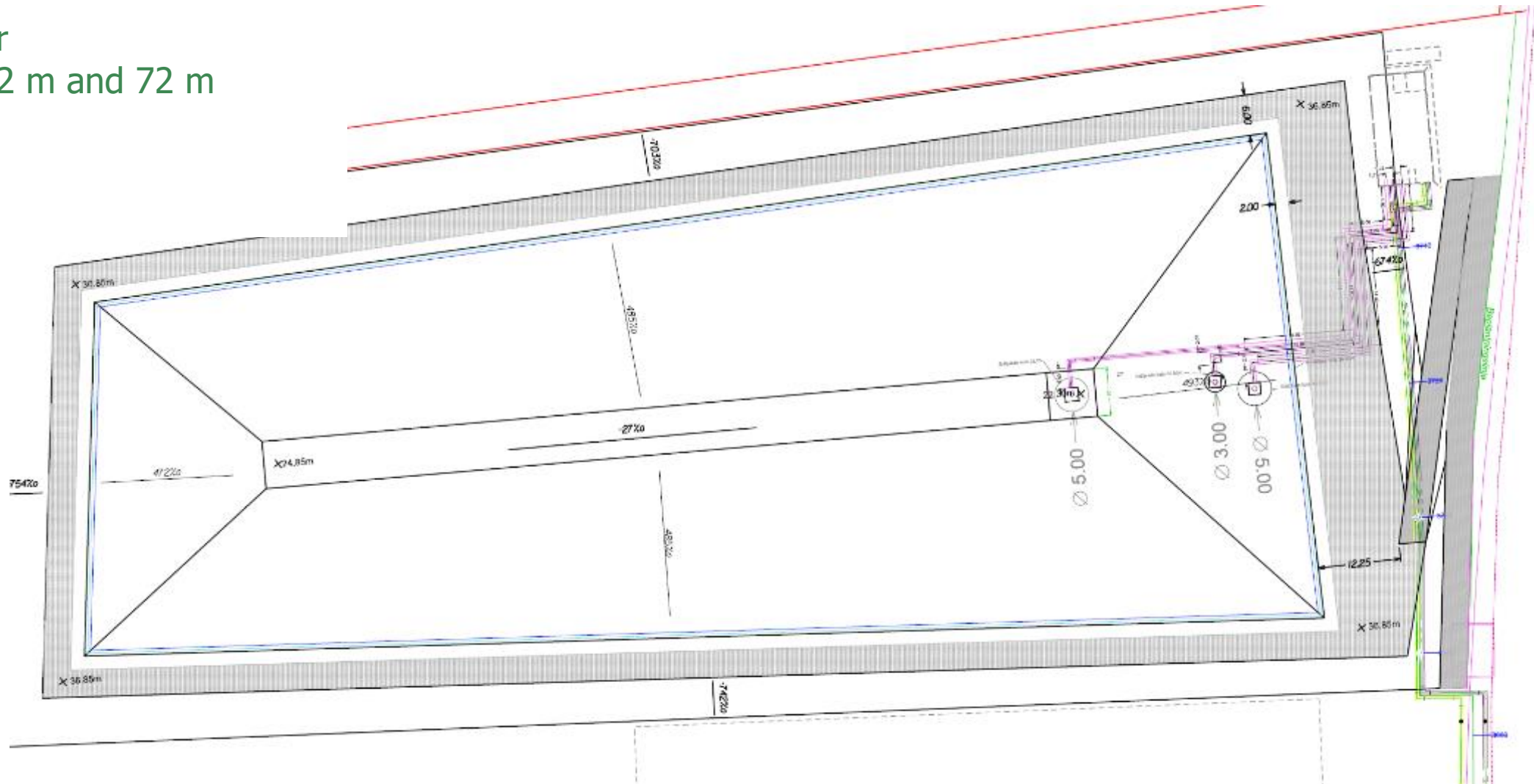
Dimensions:

Length: 180 meter

Width: between 52 m and 72 m

Depth: 14,5 m

Éarth balance

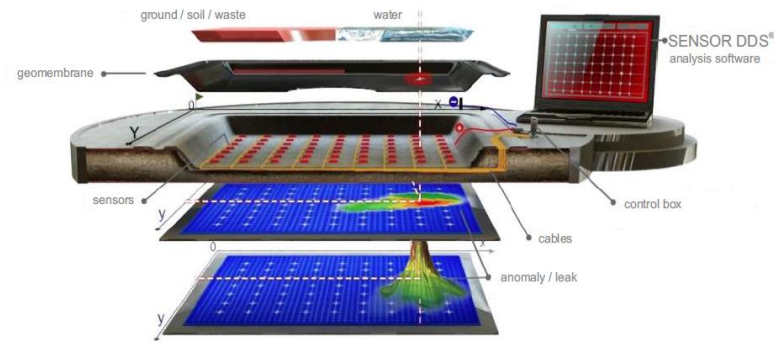


Liner

- New type PP-liner
- Lifetime 33 years at 95 celcius
- Subcontractor/-Supplier: AGRU og Gquadrat



leaks flow through damage...



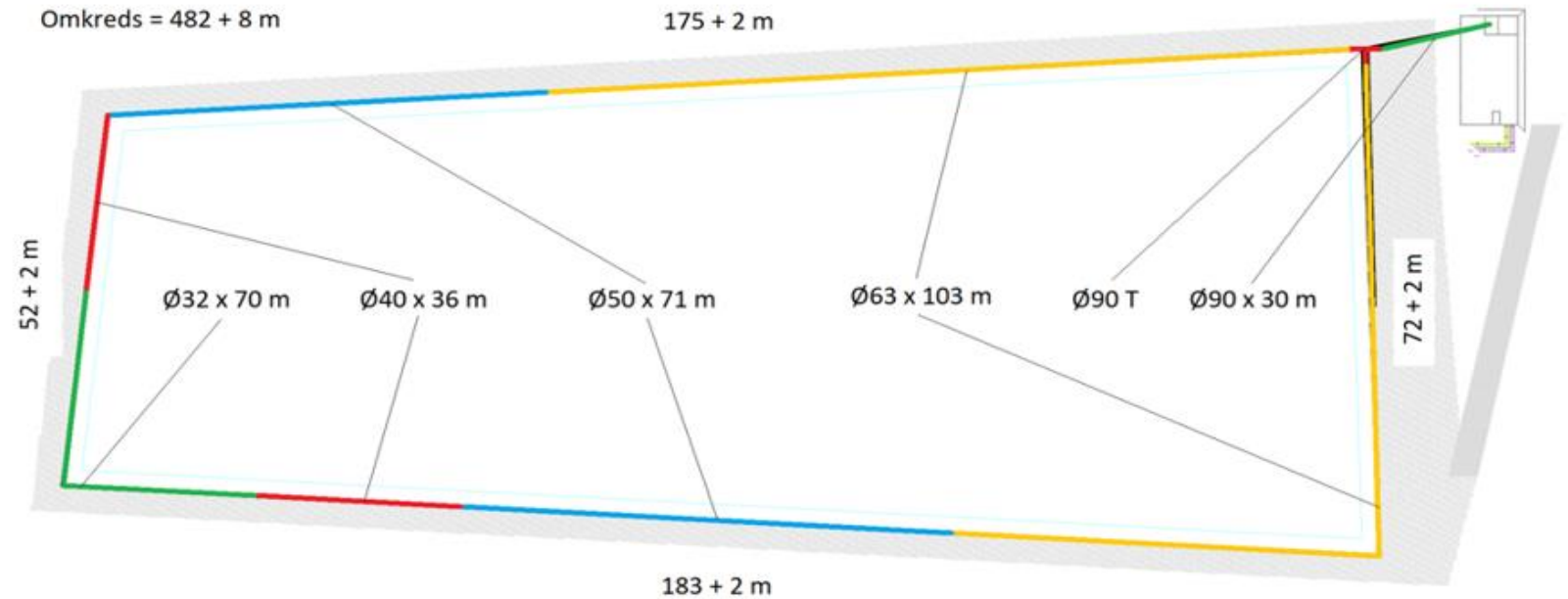
SENSOR DDS® technology exploits the fact that an impressed electric current will follow moisture through any damaged area of geomembrane. Sensors can be configured either above or below the geomembrane and can then measure the resultant current flow that occurs through any damage.

...electricity flows with leaks

Liner Established



Protection of the liner



PE-MEMBRAN

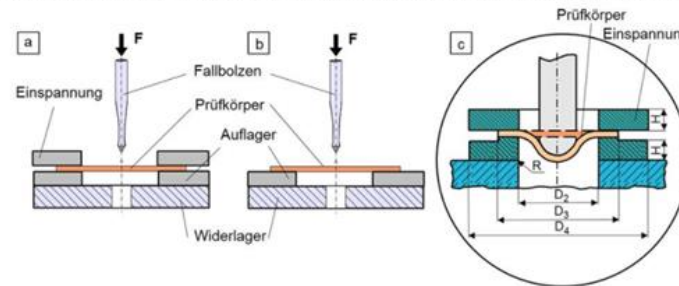
PE MEMBRAN

RØR MED HULLER

Test of new liner

- Test at SKZ both new and old liner
- Results
 - Decomposition cursed by sunlight
 - Not relevant when there are more than one stabilizer in the material according to Agru and Linz

Particularly interesting test, that demonstrates puncture damage. Test setup like in below picture found on google.



- No result af pentrationstest. TI are doing additional test to AGRU's own test and it will be ready 6th of december

Now

