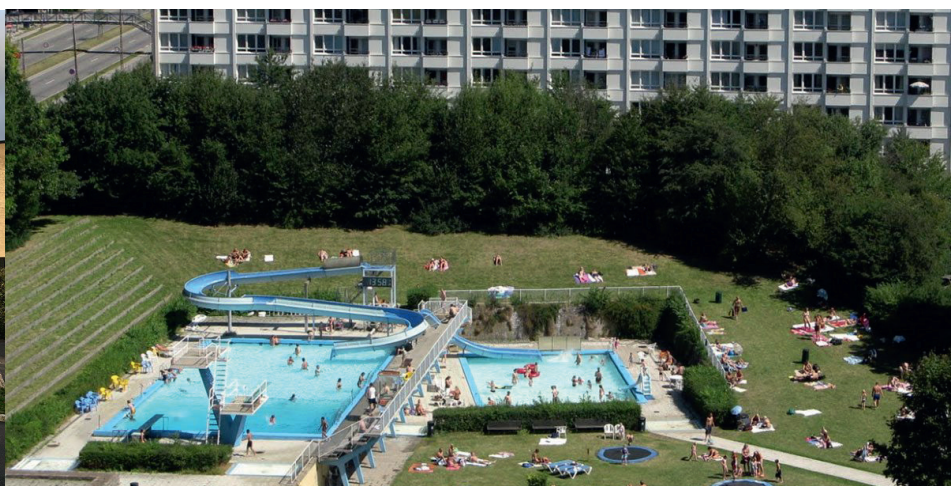CASE

Cathodic protection at the Vestbad pools

In 2016, the board members of the municipal counsels in the Danish cities Rødovre and Brøndby approved a €9 million renovation project of the Vestbad. The Vestbad is a public swimming facility which opened back in 1958 originally only with outdoor facilities. The renovation was a necessity in order for the building to meet the Danish legislation. The work was commenced and completed in 2018.
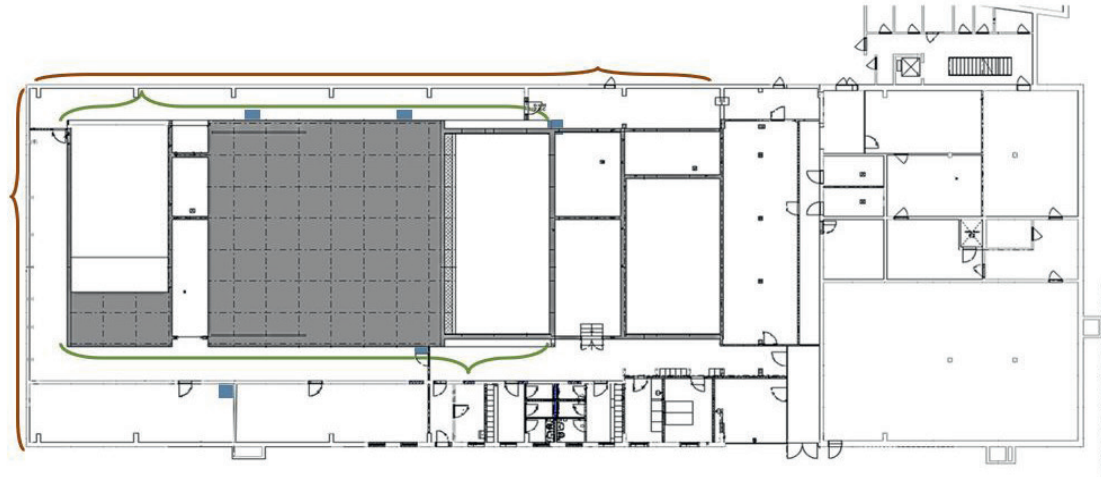
Part of the scope was to keep parts of the facility open during the entire construction period. As part of the renovation, cathodic protection had to be installed at the new pool sites. Furthermore, the contract also involved installation of cathodic protection in old concrete parts which had to be repaired during the renovation.

FORCE Technology was responsible for the installation of cathodic protection at the new pools and the in the old concrete parts as well as the maintenance of the pre-installed system. For this project cathodic protection could be embedded using the standard durAnodes.

The anodes was installed alongside the pools and in the outer walls of the building and are connected to 5 durAcenter. The system is monitored through one central control cabinet to which all of the durAcenter are connected. The anodes has been installed along the pool side and in the outer walls of the building.
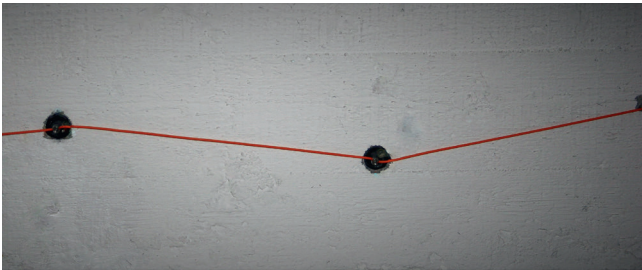
Project facts

Wall surface (m²):	142
Grouting material (kg):	9
durAnodes (pc.):	400
ERE20 Reference electrodes (pc.):	11
Ti and Cu wire (m):	632
Data bus cable (m):	38
Control cabinet (no.):	1
durAcenter systems (pc.):	5
Total project costs (€):	21,000

| ■ Installed 4+8 durAcenter control systems | ■ Internal installations | ■ External installations |

The renovation project well under way.

The anodes are connected with a titanium and copper wire. A total of 632 meters of wire and approximately 400 anodes was used.

During the renovation of the existing concrete parts some corrosion was encountered and repaired.

Contact
Peter Bucan
Sales Manager
Cathodic Protection
pbu@force.dk
+45 43 25 04 21

Front page images courtesy of Vestbad (https://vestbad.dk/vestbad/galleri/)

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