

Case Story

Hornbæk Hospital

The Hospital

Hornbæk Hospital (The Department of Spinal Cord Injuries) treats and rehabilitates patients with spinal cord injuries. The department is Denmark's largest treatment center for patients with spinal cord injuries and performs treatment, education and research at an international level. The department is located in Hornbæk.



Their challenges

1. Significant expenses used for cleaning and maintenance of the grease wells and wastewater system.
2. The facility was built in 1952 and has not been modernized in decades. The risk of failure in the wastewater system is regarded as higher due to the age and lack of maintenance.
3. Odor nuisances around the grease well was very noticeable for employees and patients.

The solutions!

Decomposed Grease: After installing the STATICON – GREASE in the grease well, the old grease crust on top of the wastewater was decomposed into a soft mass and the rest has over a 3-month period decomposed into a mix of water and protein.

Environmentally friendly: Danish regulations dictates wastewater to have below 50 mg. grease per liter wastewater discharged into the wastewater system.

There was no prior mg/ltr. measurement but after the 3-month period the visible amount of grease was reduced significantly and the measured mg/ltr wastewater was now under the statutory requirement.

Achieving this milestone is regarded as important as the green footprint for the Hospital is reduced and the installation of the STATICON-GREASE helps protect the local water system and environment.

The installation was carried out while the grease well was in operation as the installation is easy and does not require the system to be dismantled, cut off or stopped.

Their data and experience

Hornbæk Hospital results and experience 90 days after the installation.

The amount of visible grease is reduced to a level not seen before even by their long-term employees.

Before the installation the top of the accumulated grease had formed a very hard crust with a surface as hard as rocks.

After the 3-month period the crust was decomposed into a soft mass and it was possible to push it around easily with a shovel.

Odor nuisances is reduced below what is noticeable for anyone just passing through the area where the grease well is located. Only when standing directly beside the open well an odor can be detected

Before installation: 3 x Comprehensive cleaning of grease well per year. = 9.000 DKK.	After installation: 1 x Small cleaning of grease in 2020. = 1.500 DKK
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The hospital has gone from 3 comprehensive cleanings of the grease well per year conducted by a third party at the cost of 9.000 DKK.

To a small cleaning and check-up conducted internally by the maintenance team themselves within ½ day of work.

The Results

- Reduced expenses for cleaning
- Better decomposing of grease.
- Less environmental impact.
- Grease well has a reduced risk of failure.
- 80% savings on maintenance.
- Odor nuisances reduced

Quote:

Benny Søder, Head of Center for Real Estate, Region Capital, Denmark:

"After the STATICON-GREASE has been installed I can conclude there are no odor nuisances at our facility. Furthermore, we do not have to expenses for the 3 times cleaning of the grease well per year.

And with this great result we can now proceed investigating how we can implement the STATICON-GREASE, -WATER & -AIR in our other facilities in the Region".



Picture: Benny Søder