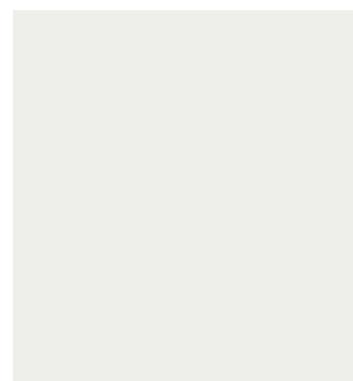
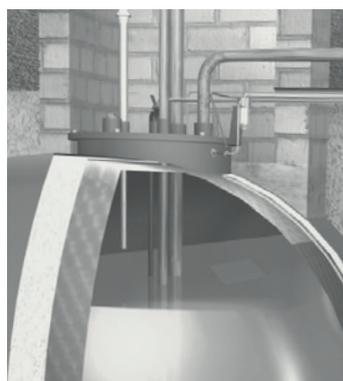
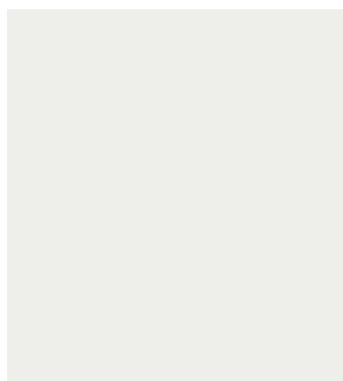
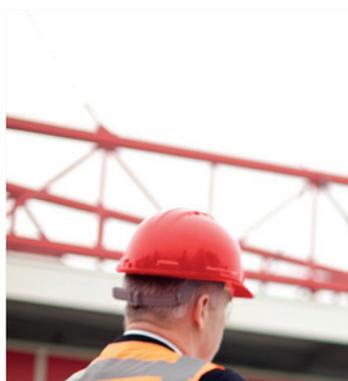
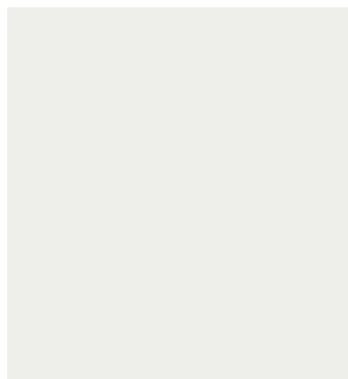
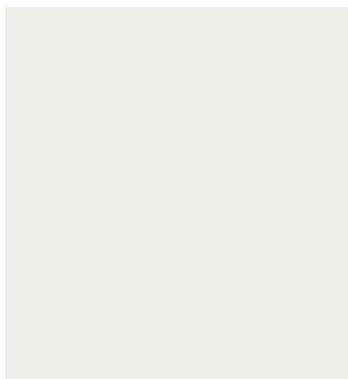
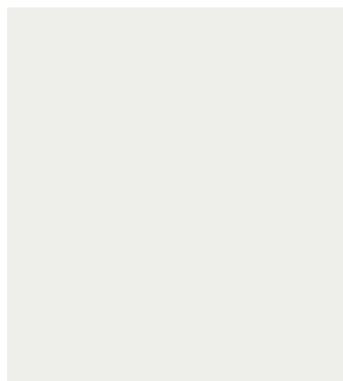
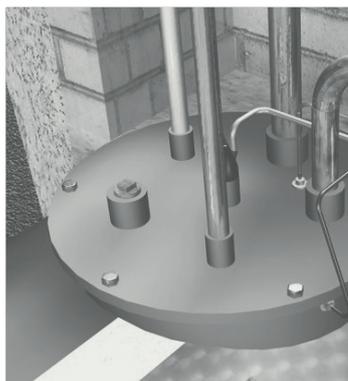


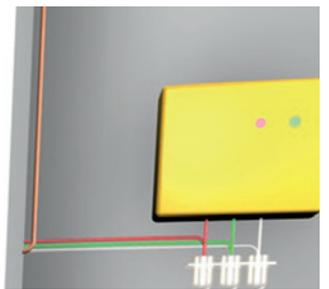
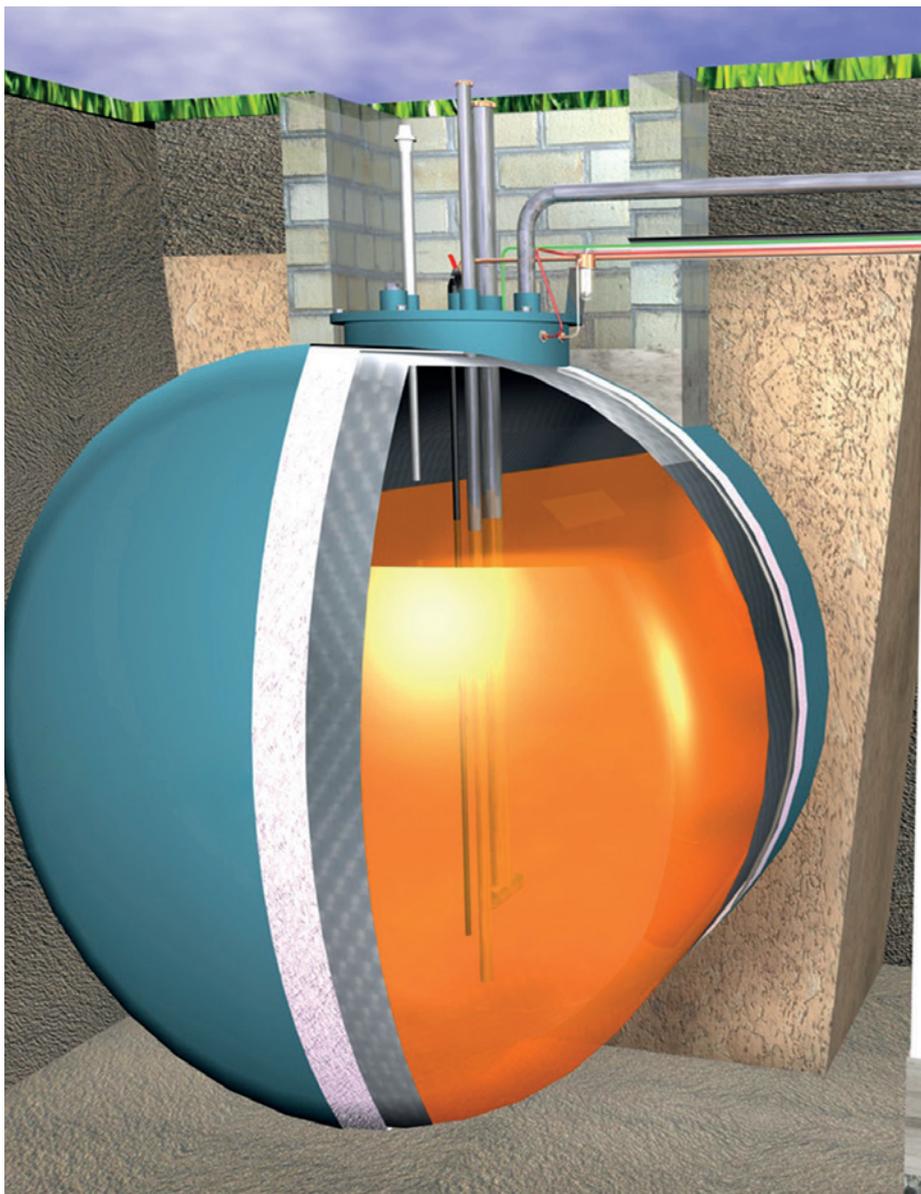
# Environmental Solutions

## Tank Liner Protection



Tokheim, in partnership with Fenotec, introduce a pioneering tank lining solution. Using a patented mounting system the durable leak protection lining solution is installed in just days to provide years of protection to underground tank units. It is suited to situations where a tank leak has occurred, if an alternative new fuel is to be loaded, or if tank coating is not an option due to high internal corrosion. The solution reduces costs, increases safety and provides long-term environmental protection for your forecourt.

“Tokheim and Fenotec’s pioneering tank-lining solution takes just days to install. Not only is the unmanned solution safer, it can save a site up to 75% versus replacing a tank.”



#### **Installation process**

The patented process provides a safer and faster solution versus the traditional methods of tank refurbishment or replacement, which can be both laborious and high-risk. The unmanned entry and installation of the lining is carried out in just days, reducing exposure and risk.

#### **Shape**

The liner is custom made to fit any size or shape of retail underground storage tank. The dimensions are aligned to existing tank drawings, or if these do not exist, a state-of-the-art measuring tool will accurately calculate the exact tank size.

#### **Materials**

The materials are manufactured to the highest quality standards after rigorous testing in the lab and in the field. The liner fabric has been used in variety of markets (including the chemical and automotive industries) for more than 40 years and is a trusted and proven product.

#### **Fuels**

The product can be used with any EN standard fuels over the lifetime of the liner. It can handle the latest biofuels, including those that contain bio-components like ethanol and FAME.

## How it works

1

### Cleaning the Tank

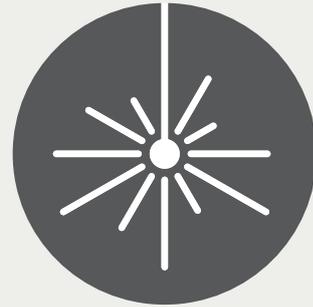
Tokheim clean the tank in preparation via a powerful sand or water blast tool. The cleaning is carried out unmanned so no operators enter the tank.



2

### Measuring the Tank

A 3-D laser calibration tool is used to create an exact 3-D model of the tank. The 3-D drawing of the tank is used to create a custom-made tank liner.



3

### Installation of key components

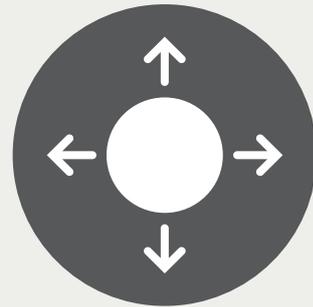
Firstly a protective mattress is lowered into the tank and inflated. It acts as a cushion for the liner to be placed on top of. The operators then feed the liner into the tank.



4

### Inflating the liner

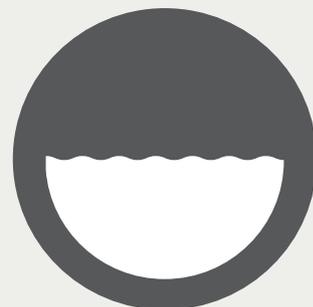
The mattress is removed and the protective liner is then inflated. It acts as a "second skin". The final shape and dimension is exactly that of the tank.



5

### Commissioning the tank

Thorough testing is carried out via a vacuum leak detection solution. After a final inspection via a camera system the pipework and tank cover are reconnected. The tank is now ready for use once more.



## Key Benefits

### Cost Savings

Tokheim's tank lining solution reduces labour and material costs by up to 75% versus tank replacement and 35% versus an epoxy liner system.

### Improved HSSE

There is no requirement for personnel to enter the tanks making this a safer solution.

### Reduced Site Downtime

The tank lining solution takes just days to complete. The method ensures that downtime is reduced and your site can be operational quickly once again.

### Environmental Compliance

The tank liner is made of high-quality materials that comply with current regulations for a long lasting life.

### Future Proof

The liner gives old tanks new capabilities, so that they can handle a variety of fuel types and bio-fuels in the future.

### Local knowledge, global team

Tokheim has an international support network that puts service first. We are and will be there every step of the way.

## Tokheim Worldwide



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