

# New technology for six gas storage units in Etzel

**Client**

Etzel-Kavernenbetriebsgesellschaft  
mbH & Co. KG (EKB), Etzel

**Timeframe**

2011 to 2012

**KAEFER services**

KAEFER used a special technique to demonstrate on a gas storage facility in Etzel that corrosion protection and noise protection can be combined in a single insulation system.

Underground caverns for storing oil and gas reserves play an important role in Germany's national energy security and provide a measure of independence from the international energy market. The Etzel salt deposit in Friedeburg, Lower Saxony, is one of the biggest gas storage facilities in Europe. The caverns in Etzel are connected to the international network of oil and gas pipelines and make the facility an important energy supply hub for north-west Europe. In order to store gas cost-effectively it has to be compressed. The compressors, pumps and valves generate a considerable amount of noise. Using the insulation system ArmaSound® KAEFER created a new technical solution for noise and corrosion protection on six new gas caverns.

> Heat insulation



> Cold insulation



> Noise protection



> Fire protection



> Surface protection



Scope of work

- > Insulation of six gas caverns
- > Sound and corrosion protection
- > Use of the innovative insulation solution ArmaSound®

Implementation

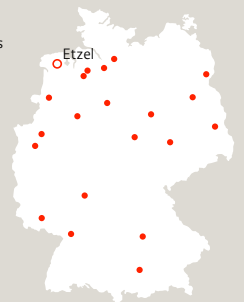
- > Design of the insulation system in collaboration with the manufacturer
- > Training for the correct installation of the system
- > Cutting and assembly on site
- > Application of insulation 55 mm thick with the same effect as 120 mm of conventional insulation

Customer benefits

- > Effective sound reduction with maximum corrosion protection
- > Weight savings thanks to thinner insulation
- > Installation of the new insulation system by qualified staff
- > Precise on-site adjustment of the insulation to the nearest centimetre
- > Compliance with anti-noise standards for employees and neighbours

Pictures: Armacell GmbH

Our locations in Germany



KIG.R06.GB.15

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Are you interested in more examples of our services? A selection of references is available from [www.industrie.kaefer.com](http://www.industrie.kaefer.com)



**KAEFER**