

Reference

First class passive fire protection for gas storage facility

Client

Storengy Deutschland GmbH,
Berlin

Site

Storengy Erdgasspeicher Peckensen

KAEFER services

Fire-resistant insulation and ENERGY Firecover® fireboxes for the demanding protection requirements of Storengy Deutschland

Timeframe

2015

For our client Storengy the topic of fire safety in gas storage facilities is of existential importance. When the gas storage facility in Peckensen was being expanded it became apparent as soon as planning started that the safety objectives and fire resistance times could not be achieved with conventional passive fire protection systems. A concept specially developed for this facility was called for, with special technical solutions, and this was where KAEFER came in. By deploying ENERGY Firecover® fireboxes KAEFER was able to meet all the client's safety targets. With our tailor-made system we were also able to fulfil Storengy's request for faster and simpler inspections and maintenance in future. With this project KAEFER successfully set new standards in passive fire protection.

> Heat insulation



> Cold insulation



> Noise protection



> Fire protection



> Scaffolding



Scope of work

- > Temperature increases in the event of a jet fire (> 1,100 °C after 10 minutes) are limited to:
 - periods of 30 and 60 minutes (customer specification)
 - maximum 250 °C on fittings and 425 °C on pipelines
- > Plant operations in the event of a fire are ensured for defined periods (30 and 60 minutes according to customer specification)
- > All work carried out during ongoing operations

Implementation

- > Technical advice and planning, including measurements on site
- > Preparation of production drawings for client approval
- > In-house fabrication of ENERGY Firecover® boxes
- > Compliance with all safety targets set by the client Storengy Deutschland

Customer benefits

- > All services from a single supplier, ensuring high level of planning security
- > All work is documented systematically and thoroughly
- > Client can rely on compliance with all safety targets
- > High level of fire protection maintained even for structurally difficult areas



Our locations
in Germany

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Are you interested in more examples of our services? A selection of references is available from www.industrie.kaefer.com



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