

# Underground oil and heat piping completely refitted in the shortest time imaginable



Safety piping and heating lines from BRUGG for the Mark-E Aktiengesellschaft power generation plant in Werdohl-Elverlingsen

“The know-how of the BRUGG company and the experience we had gathered with them in earlier projects were important criteria in awarding the contract. The commitment shown by everyone involved and the results show that this decision was fully justified.”

Dipl.-Ing. Peter Birkenbach  
Mark-E Aktiengesellschaft  
ENERVIE Gruppe

The intermediate and peak power generation plant of the Mark-E Aktiengesellschaft has been located in Elverlingsen near Werdohl ever since 1912. The feedstock fuels for the various boiler plants are very diverse. To initiate firing and to maintain it, however, fuel oil is permanently needed. This fuel oil is stored in flat-bottom tanks above ground and flows to the power generating plants through underground pipes.

The passage of time has taken its toll here, of course, and a complete overhaul of all the underground oil and heating pipes became a matter of urgency. A host of changes since 1912 have made the power station into an intricate complex of buildings, so that the primary task was first of all to draw up an orderly plan for the refurbishing of the equipment.

Our many years of expertise and the very good results we can point to in the projects we have completed to date convinced the power station

Installing new corner joints for existing FLEXWELL® piping



The power generation plant in Werdohl-Elverlingsen

operator to decide for us, and we were awarded the contract for planning the refurbishing of the entire pipework complex.

After the completion of the planning phase we were also employed as general contractor to carry out the refurbishing of the plant. The time-frame was very tight, since the power plant would have to be taken out of the energy grid for some parts of the refurbishing work. The installation schedule therefore left no room for delays of any kind. Working on Saturdays and Sundays was an indispensable necessity to be finished on time.

In the four-day final spurt the refurbished piping network was connected up to the existing systems. Our client was highly satisfied with our total package from one supplier.

Pipe lead-throughs in the pump station.



Solutions for the future

## Safety piping and heating lines from BRUGG for the Mark-E Aktiengesellschaft power generation plant in Werdohl-Elverlingsen

### Our turnkey package consisted of:

- delivery and laying of BRUGG-STAMANT® safety piping as a double-walled pipe for oil transport
- delivery and laying of FLEXWELL® safety piping as a double-walled pipe for oil transport
- delivery and laying of plastic-cased piping for tank heating
- delivery and laying of CASAFLEX® for heating the pump station
- delivery and laying of single-walled heat-insulated pipes for oil transport above ground
- delivery and installation of steelwork
- delivery and installation of shut-off devices
- delivery and installation of prefabricated concrete manholes
- evacuating, cleaning and dismantling old pipework
- technical support in the recommissioning of all new piping

Embedding work between Tank 1 and Tank 2



Routing the piping between Tanks 1 / 2 and the oil pumping station



**To contact us and for further information, please fill in the following details and send them by fax to +49 (0)5031 170-170.**

- Please send me detailed information material
- I have a project I am currently working on and would like to speak to you personally

### Sender

Company:

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Contact person:

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Telephone:

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eMail:

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Street/No.:

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Postcode/Town:

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Company stamp

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