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SPIE renews high-voltage power lines on behalf of ENERVIE Vernetzt

- SPIE is renewing close to 22 kilometres of high-voltage power lines on behalf of ENERVIE Vernetzt
- SPIE replaces conductors, insulators, instruments and the earth lead of the ENERVIE Vernetzt GmbH 220 kV North/South line, as well as a 110 kV traction current line of Deutsche Bahn AG (DB Energie GmbH)
- Successful past markets as well as the procurement of the instruments at short notice were decisive in the award of the contract to SPIE

Hamburg, July 9th, 2018 – *On behalf of ENERVIE Vernetzt, the network operator of the ENERVIE Group, SPIE Deutschland & Zentraleuropa is replacing 22 kilometres of high-voltage power lines. The project concerns ENERVIE Vernetzt's 220 kV North/South line between the Hagen-Garenfeld and Werdohl-Elverlingsen transformer stations, as well as a 110 kV traction current line of Deutsche Bahn AG (DB Energie GmbH) on the Hagen–Finnentrop route.*

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The lines are operated on masts used by both companies, and are being renewed together as part of a joint venture. SPIE is replacing all conductors, insulators and instruments. The works started in April and are due to be completed by autumn 2018. The contract is worth EUR 5.6 million.

ENERVIE Vernetzt has been a regular customer of SPIE for many years. With the award of the contract, the company confirms their successful collaboration in the past: *'We recently completed a very demanding project for ENERVIE, where we erected a portal line in a difficult environment,'* reports Harald Beck, head of Power Line Construction Montabaur and Statics at SPIE. The challenge of the present commission was the very narrow time window: *'The period in which the lines are activated was already fixed before the contract was awarded. Due to our good contacts, we were able to procure the required conductor support assemblies and instruments at short notice. The rapid procurement was certainly one of the criteria that worked in our favour,'* says Harald Beck.

Ageing and the demand for better performance are reasons for the renovation of the high-voltage power lines. While power is transmitted through the 220 kV North/South power lines between the Hagen-Garenfeld and Elverlingsen transformer stations, the 110 kV traction current line feeds the substations of Deutsche Bahn. These lines provide power for the overhead catenary wires.

SPIE mobilized two work crews to complete the renovation in time. Step by step, the new conductor support assemblies were pulled in with the help of a cable winch machine: *'We use the old conductor assemblies as a starter cable by attaching the new cables to them and then pulling them between two dead-end towers,'* explains Harald Beck. In doing so, SPIE relies on long-standing experience in the field of high-voltage installations and local expertise. The multi-technology service provider has been working for several years on a new structure to replace the 110 kV high-voltage power line on the immediately adjacent route section between Finnentrop and Rudersdorf of Deutsche Bahn AG (DB Energie GmbH).

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About SPIE Deutschland & Zentraleuropa

SPIE Deutschland & Zentraleuropa, a subsidiary of the SPIE group, the independent European leader in multi-technical services in the areas of energy and communications, is the leading multi-technical service provider for buildings, facilities and infrastructure in Germany, Austria, Poland, Czech Republic, Slovakia and Hungary. Its service range encompasses technical facility management, energy-efficiency solutions, technical services for the transmission and distribution of energy and for industrial clients as well as in the areas of electrical and security technology, HVAC technology and information and communications technology. SPIE Deutschland & Zentraleuropa has more than 14,500 employees in over 200 locations.

With more than 46,500 employees and a strong local presence, SPIE achieved in 2017 consolidated revenues of €6.1 billion and consolidated EBITA of €388 million.

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