

Aker Wirth appoints arvato services to handle the technical documentation for its tunnel boring machine

Successful project completion of access tunnel boring in Linthal, Switzerland

Neukirchen-Vluyn, 07/12/2010 – Aker Wirth, worldwide leading manufacturer of tunnel boring machines, has appointed arvato services to handle the technical documentation for a new full face machine. Aker Wirth built the tunnel boring machine TB 803 with a diameter of more than eight metres, for a special project in Linthal, Switzerland. This is the site of an access tunnel to the underground machine cavern of the Limmern pumped storage plant. The bore hole currently represents the largest inclined shaft to be completed by a tunnel boring machine.

The drilling operation started in the middle of October. The tunnel leads from 800 m above sea level to approximately 1700 m at a constant gradient of 24 percent. To meet this technical challenge, the TB 803 has been equipped with additional securing fixtures for inclined tunnelling. “Since systems engineering frequently requires machine modifications until shortly before startup of operation, one of the greatest challenges is the timely availability of consistent documentation”, says Werner Hensgens, Product Manager Mining & Constructions of Aker Wirth. To achieve this goal, arvato services provided Aker Wirth at specified times with the operating instructions for the tunnel boring machine - assembly documentation, pre-documentation, Version 1,0 for commissioning -, always reflecting the latest status.

The entire technical documentation for the tunnel boring machine was created by arvato services on the basis of a new structure, aiming at a clearer arrangement of the operating instructions, optimising the search times for certain chapters and topics, and reducing duplications to a minimum. For this purpose, the 4800-page operating instructions were printed and assembled in time for the startup of drilling operation for direct application on the tunnel boring machine, including a CD-ROM with interactively linked PDF-files and comprehensive search mechanisms. “This gives the customer quick and effective access to all the necessary information in his day-to-day work”, states Rainer Kentrat, Project Manager of arvato services.

About Aker Wirth

Aker Wirth is a leading provider of drilling systems and core components for the oil and gas industry, mining and civil construction. Since 1895, Aker Wirth has been supporting the modern and efficient use of natural resources and the development of infrastructure, promoting growth and improving the standard of living around the world. In 2010, the company received an award for its outstanding human resource management, and in 2009 for highly innovative products and services. Aker Wirth is a subsidiary of Aker Solutions AS, a global provider of engineering and construction services, technology products and integrated solutions.

Press release

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About arvato services

arvato services, a subsidiary of arvato AG, has over 110 locations and more than 37,000 employees, making it one of the world's largest internationally networked media, communication and logistics service providers. The corporate information management department of the company implements and operates integrated holistic supply-chain solutions for documents and marketing and sales materials. From professional procurement management through multi-channel distribution of the relevant media, arvato services supports its clients in the ongoing optimization of processes, thereby generating measurable added value along the entire value chain. The technical information division of the corporate network offers all services having to do with the creation, translation and publication of technical information and is a partner to numerous companies from the automotive and transport, machine and equipment construction and medical technology industries.

For further information refer to www.arvato-services-ti.de.

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