

EDITORIAL

MANAGEMENT
TURNOVER



The Hydro-Elektrik GmbH group of companies has shown outstanding operating results over the past several years. The company group meanwhile employs more than 100 employees - and the trend is positive!

The basis for this success is our successful, high-quality, highly market-oriented products and services. For me, this good market position, the economic success and the excellent staff and technical situation of the company are a special joy and proof that the sometimes extremely demanding work and the need to leave the beaten path have more than paid off.

However, at the age of 68 years, and after approximately 38 years with the company, it is now time for me to transfer my responsibility and turn over my position as CEO to another. However, I will still be active in the company on a regular basis and will contribute my experience, especially in the field of development.

I wish my successor in management, Head of Development Karl Weißhaupt, great joy and success in this position of great responsibility.

I am sure that the helm of the Hydro ship is in good hands with CEO Andrea Strobel and CEO Karl Weißhaupt that and both will do justice to their responsibility by making the right decisions. The company's prospects for the future are very good, which is why a new, additional company building is currently being planned. This will be one of the first challenges for the new management.

Bruno Bachhofer

TECH TALK

INDUSTRY

Complex process control technology realised for water treatment in power plant

As already reported in the 10/2008 issue, RWT GmbH is producing an industrial water treatment line for a power plant in northern Germany in cooperation with Hydro-Elektrik GmbH.

The first building phase of the water treatment line (heat displacement system and condensate cleaning with a flow rate of 140 m³/h) including a process control system has been operating successfully since the autumn of 2009. The process-related components were supplied by RWT GmbH, while the electrical engineering components including the control and instrumentation technology were realized by Hydro-Elektrik GmbH.

The entire control and instrumentation technology is based on a high-availability SIMATIC PCS 7 process control system. A majority of the components have a redundant design, enabling the system to continue operating without in-

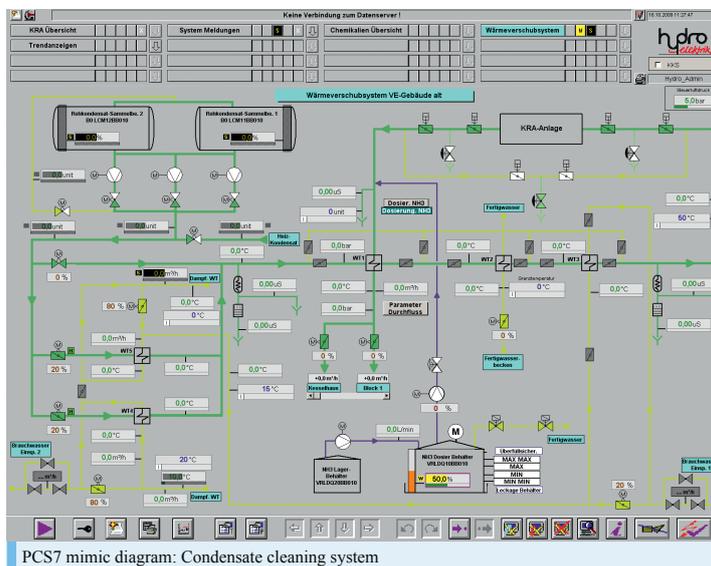
terruption even when individual components fail and reducing the risk of a production outage.

The process control system for this system consists of two data servers (OS servers¹), five operating stations (clients) and an engineering station (ES station²). The terminal bus and the system bus (Industrial Ethernet) are also designed redundantly. The control level (AS level³) is built with redundant SIMATIC S7-400 controller. The external devices (e.g. valves and measuring devices) are connected on the field level via decentralised input and output units (I/O process peripherals) of the ET 200 series, which are redundantly connected via Profibus DP. The intelligent field devices

are configured, parameterised and diagnosed via the control system using the SIMATIC PDM Process Device Manager.

The entire electrotechnical configuration, electrical planning based on E-Plan P8 and programming of the PCS 7 process control system and the automation systems was carried out by the employees of Hydro-Elektrik GmbH. Thanks to the close cooperation with the customer and the process technology experts of RWT GmbH in the project realisation phase, it was possible to quickly coordinate and implement the custom's needs and requests.

The expansion of the know-how in the area of process control systems based on the SIMATIC PCS 7 enables the Hydro-Elektrik group of companies to offer complex control and process control technology from a single supplier. In addition to the control of water treatment systems, other process-related processes can therefore also be displayed and operated.



PCS7 mimic diagram: Condensate cleaning system

¹ OS – Operator System
² ES – Engineering System
³ AS – Automation System

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(additional information on the SIMATIC PCS 7 process control systems available at www.siemens.de/simatic-pcs7)

NEWS & TRENDS

Hydro-Phonolith filter material approved

The Hydro-Phonolith filter material developed by Hydro-Elektrik GmbH and introduced on the market in 1990 has now been officially approved. Hydro-Phonolith is mainly used for filtration during drinking water treatment. For the material to be added to the list of German Federal Ministry of the Environment (as defined in Article 11 of the Drinking Water Ordinance (TVO)), it was necessary to produce a European standard.

The standard DIN EN 15795 applied for by Hydro-Elektrik GmbH covers the natural, non-expanded aluminium silicates, which include phonolite.

Hydro-Phonolith is an especially effective filter material used in multi-layer filtration. It has a spherical shape with a rough surface and is especially well-suited as an alternative to commercially available quartz sand. Another application is the filtration of swimming pool water.

IMPORTANT DATES

05-06 May 2010

5. Nordbayerische Trinkwassertagung (North Bavarian Drinking Water Conference) in Gemünden am Main

03-04 June 2010

1. Mitteldeutsche Trinkwassertagung (Central German Drinking Water Conference) in Bitterfeld-Wolfen

13-17 September 2010

Stand at IFAT Trade Fair in Munich
Additional information at: hydro-watertreatmentsystems.de

Thinker, Doer, Human Being

Lasting impressions of longstanding employees on Bruno Bachhofer, who as the company's founder and CEO was responsible for Hydro-Elektrik GmbH for 38 years. Even after turning over the company management, Bruno Bachhofer will continue to contribute his experience to the company.

For Charly Hörmann, Bruno Bachhofer is something like a caring, benevolent father of the Hydro family, who always keeps everyone in suspense with enough work. As tireless inventor and unconventional thinker, he simultaneously worked on several projects at once in his head, which didn't always make communication easy because of the way his thoughts jumped around. And: „There's room for three people in his shoes“, said Charly with a grin, and at the same time he mentioned Bruno's hearty laugh, his sense of humour and his „joie de vivre“.

Richard Gagg was impressed by his hands-on, fast, uncomplicated way of doing things. Here it's not just a matter of quickly recognizing problems and their

boss and a mate, to help out and to get to work.

Also his trust in the abilities of the employees and his forgiving manner if something doesn't go as planned, even if one or the other was first given a very critical going-over beforehand, added Claus Dietenberger, who sees Bruno's impulsive manner as something like a fuse or a bomb.



solutions. Bruno is also characterised by his ability to be both a

Otto Pollini sees Bruno B. as a practical person, who accepts challenges and likes to make decisions. But as a buyer, he proves to be absolutely merciless as a Swabian with a good sense of what is possible with regard to the price.

Being direct and sticking to the promises made without restrictions – regardless of how hard they may prove to be later – were Dieter Baumann's highlights regarding Bruno B. However, he

could also be tough and uncompromising when he felt it was necessary.

Andrea Strobel is sure that Bruno's creativity developed under the influence of a childhood in which Nature and a stream were his main playthings. She perceived working together with him as a challenge and experienced and learned many positive things in the process. Bruno doesn't see problems, just solutions. And these are often unconventional and come to him lightning-fast.

His open manner, his knowledge and his innovative feel for things always benefited the company. In the process, he always kept in good physical shape, despite – or possibly because of – his love of good food and wine.

**We say:
Here's to Bruno!**



Karl Weißhaupt - new CEO

From April 2010 the 43 year old Karl Weißhaupt will assume the technical management of Hydro-Elektrik GmbH.

He worked as an electrical engineer following his training in various areas of open and closed-loop control and energy technology, which led to registration of a



business in the field of planning, configuration, programming and commissioning of control and management-related systems in 1996. He received an insight into the company through his close connection to Bruno Bachhofer, the godfather of K. Weißhaupt, and his good, intensive cooperation with Hydro-Elektrik in the development of the HydroSystemTank production device. When he was offered a position as head of the development team in 2006, he took this chance and gave up life as a self-employed businessman after 10 years.

In the context of the succession, K. Weißhaupt inherited 10% of the company shares. He and Andrea Strobel are Managing Partners with equal rights.

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