



## Process measuring and control technology

### System control

#### CONTROLS AND REGULATES PENSTOCKS

##### Scope

- Design of the control concept in close consultation with the customer
- Creating the circuit diagrams and creation of the PLC program incl. visualization
- Production of the cabinet
- Installation and commissioning of the systems on site
- Testing of the system in accordance with the applicable regulations
- Preparation of complete documentation

##### Additional tasks

In addition to operate the penstocks the BÜSCH control technology performs additional tasks, such as e.g.:

- Control logic (by PLC) for interaction of several penstocks (e.g. withhold extinguishing water)
- Sharing, evaluation and processing of error and fault messages
- Processing of external signals from sensors, limit switches, water level sensors (e.g. from a fire alarm system)

##### Customisations/Upgrades

- PLC control incl. visualisation with touch panel
- Battery backup via solar panel
- Emergency supply
- Remote access via Internet

##### Safety

The BÜSCH control technology includes all necessary safety-related equipment and components, fulfilling the applicable regulations and directives as:

- DIN
- VDE
- DVGW
- DGUV



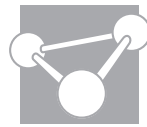
BÜSCH control technology with remote maintenance, sewage treatment plant Mannheim, Germany



BÜSCH control technology with 2x BEAservo stainless steel e-actuators, lowering type penstocks and clear water removal WW Naunhof, Germany

### YOUR ADVANTAGES

- **INDIVIDUAL CUSTOMISATION**  
In close cooperation with you and irrespective of the penstocks and actuators used, we design, assemble and install the plant control system that is precisely aligned to your requirements
- **UPGRADING**  
On request, we can integrate the BÜSCH control system into an existing control system.
- **EVERYTHING FROM ONE SOURCE**  
Our all-round service for you: the complete system, consisting of penstocks, electric actuators and the control technology including installation, commissioning and complete documentation



# BÜSCH

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System control

### APPLICATION EXAMPLES



BÜSCH penstock control technology with remote maintenance



BÜSCH control technology with emergency supply



BÜSCH control technology cabinet for withhold extinguishing water



4x BÜSCH control cabinet for each 2x BEAservo stainless steel e-actuator, heat station Żerań, Poland



BÜSCH BEAservo stainless steel e-actuator, heat station Żerań, Poland



BÜSCH control with BEAservo stainless steel e-actuator, incl. lowering type penstock, sewage treatment plant Mannheim, Germany



BÜSCH control technology with withhold extinguishing water



BÜSCH control technology with clear water removal WW Naunhof, Germany