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# A matter of trust

THE NATIONAL SWISS TELEVISION IS RUN IN THE INTERESTS OF ITS VIEWERS AND LISTENERS. ENSURING VALUE FOR MONEY IS A CORE RESPONSIBILITY FOR THE EMPLOYEES EVERY DAY DEDICATED TO PRODUCE FIRST CLASS RADIO AND TELEVISION. THE SCHWEIZER FERNSEHEN HAS A PORTFOLIO OF SERVICES IN PLACE WHICH IS SUITED TO THE DIGITAL AGE, AND WHICH ENABLES THE SF TO BRING MORE VALUE THAN EVER BEFORE.

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**TOPIC:**

Environmentally sound solution  
- Flexible system - Energy savings

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**LOCATION:**

Zurich

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**COMPANY:**

The national Swiss television

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TO ENSURE NOT ONLY THE QUALITY IN BROADCASTING, BUT ALSO THE WELL BEING OF ALL EMPLOYEES IN THE ZURICH HEADQUARTER THE SF LOOKED FOR A PARTNER THAT COULD SUPPLY THE BUILDING WITH STATE-OF-THE-ART AIR CONDITIONING.

## THE SITUATION

Effective and reliable air-conditioning is critical for the SF national broadcasting company. The TV-headquarters comprises TV and radio production facilities serving the Swiss people.

The major challenge for Grundfos was the fact that the high number of sensitive applications within each room in the building needed stable temperatures, regardless of the time of year or the use of the applications. Grundfos was asked to supply individual solutions for studios, production facilities and all related premises.

## THE GRUNDFOS SOLUTION

Together with the customer Grundfos devised a scheme that focused on the flow in the chillers -the most important elements in an air-conditioning system. The Grundfos E-pumps were well suited to the job and became the backbone of the entire system. Because of the E-pumps' electronic controls, every single pump could individually adapt to changing demands.

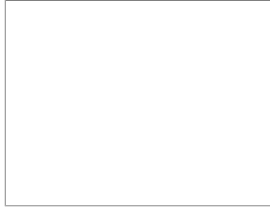
This was vital in maintaining a constant internal temperature, given the widely fluctuating temperatures. Although the energy consumption varied, the flow remained constant. The overall result was a highly flexible air-conditioning system providing the SF with production facilities according to modern standards. The system was installed to meet very exacting specifications to ensure the protection of millions of dollars worth of TV-production equipment, as well as providing a pleasant and comfortable environment for people using the other major areas of the precinct.

#### THE OUTCOME

The Grundfos solution has reduced the overall energy consumption with up to 50%. Furthermore the installation of MGE motors has given a perfect match of the motor and frequency converter. Together with the factory pre-settings this ensures optimum operation. Since the installation operation has been trouble-free.

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## Related Products



### TP(D), TPE(D) INLINE CIRCULATOR PUMP - AIR-CONDITIONING AND HEATING

Grundfos TP and TPE(D) vertical in-line pumps are used in a variety of applications. The pumps are all single-stage, in-Line centrifugal pumps with standard motor and mechanical shaft seals. The pumps are of the close-coupled type, i.e. pumps and motor are separate units.