



Chemnitz Clinic

Energy Efficiency in Buildings

- 10 buildings with 660 beds
- Cost-neutral modernization through third-party financing
- Reduction of CO₂ emissions by 3'000t p.a.
- Energy controlling, monitoring and service



Energysavingspartnership Chemnitz Clinic



Situation

Older building services plants caused high operating costs and endangered hospital operations through system failures. As a result, the Chemnitz Clinic decided to modernize and optimize operations by applying Performance Contracting.

Project procedures

The greatest energy savings potential can be achieved through intelligent control technology and in HVAC plants. Following a competition for ideas (rough analysis), detailed analysis resulted in an optimization concept, which was subsequently implemented (Performance Contracting guarantee contract).

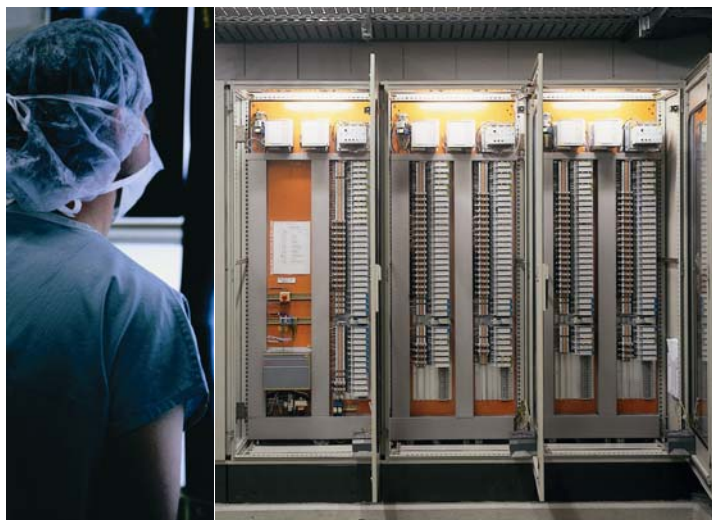
Energy relevant measures

Installation of a modern, digital building automation and control system as the energy management system to minimize cooling, heating, and electrical energy consumption and thereby guaranteeing better resource allocation for plant operation. At the same time, building automation and control forms the basis for energy controlling by transparently displaying energy consumption and identifying the discovery of energy losses.

Performance Contracting

We tap the energy savings potential in your building services through targeted modernization and optimization. Resulting in lower operating costs while increasing the value of your investment.

Energy and operating costs savings during the contract period pay for the investments. - You do not have to invest a cent.



Project Data

- Energy management for 10 buildings and 660 beds
- Energy costs before modernization: € 1.9 Mio.
- Guaranteed energy costs savings: € 511'300 p.a.
- Savings share for the Clinic: € 56'200 (11%) p.a.
- Reduction of CO₂ emissions: 3'000t p.a.
- Investment: € 2.0 Mio.
- Contract period: 7 years

Customer Benefits

- Plant modernization and optimization without investing capital.
- Additional relief for budget thanks to direct financial shares in the guaranteed savings, third-party financing, and guaranteed energy savings.
- Higher plant availability, maintaining the value of the investment, and increased profitability through energy controlling, monitoring and service.
- Contributing to environmental protection by reducing emissions by more than 30%.
- Achieving environmental, political goals.

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