



# SIEMENS

Building Technologies



Partnership with Siemens  
results in Energy Savings for  
a Belgian Hospital

Algemeen Stedelijk  
Ziekenhuis Aalst



# Complete offering and responsibility from analysis to result: Siemens can make it happen!

## What was the customer's needs?

- To reduce the rising energy consumption of his three different sites.
- To find an energy partner to continuously look for energy opportunities.
- To optimize the installed BACS (Siemens' building automation and control system).

## How did Siemens meet these needs?

- Performed an on-site energy analysis.
- Provided a complete overview of all possible energy improvement measures.
- Presented related energy, financial and CO<sub>2</sub> emissions savings.
- Outlined an investment scheme to finance the costs of different facility improvement measures and for the implementation of EMC (Siemens' web-based energy management solution).
- Provided an in-depth briefing of the on-site energy analysis.
- In partnership with the customer, created an energy optimization program.
- Implemented and set-up EMC.
- Effectively implemented energy optimization on-site support.
- Implemented a continuous energy optimization process.

## Site / Project data

In the first phase, only the Poly Clinic (5,000 m<sup>2</sup>) was involved since the building was already equipped with a Siemens building automation control system (BACS). To achieve maximum results, it was necessary to upgrade the existing BACS to the latest version.

## What did Siemens deliver?

The savings were the result of implementing different advanced control applications on the upgraded building automation system control, such as:

- Complete pump & valve intelligence
- Advanced compressor & ventilation control
- Fast boiler plant adaptation algorithm

An in-depth energy analysis of the technical facilities and respective energy consumption reports were the prerequisite to identify the savings potential.

## Small investment, big results

Energy savings of more than 30% were realized.

## Why the customer chose Siemens to meet his needs?

Siemens' Building Technologies is the best long-term partner due to:

- Detailed know-how of the installed BACS, controls and technical facilities
- The dedicated know-how in energy optimization programs
- Complete offering and responsibility from analysis to result: Siemens can make it happen!

## What was achieved?

Energy savings of more than 30% of total consumption for heating and electricity were achieved, enabling payback time of the investment in Energy Optimization Services (EOS), within six months.

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