

# coolregion


## WP 3 - D19 (FEWE, POLAND)

### Best practice example No. 4

#### General data

Name of the building :	Euro Centrum Innovative Office Building
Country :	POLAND
Address :	Euro – Centrum Sp. z o.o. ul. Ligocka 103 40-568 Katowice, Poland
Google Earth link (50 m) :	
Google Earth coordinates :	
Building owner/user :	Euro – Centrum Sp. z o.o.
Building type:	Office building

#### Building information

Picture of the building: (103 mm width)	
Description of the building: (architecture/construction) <i>Please describe location insulation, window efficiency, building materials → summarize highlights of building</i>	Innovative office building is a part of the complex of buildings of Euro Centrum Sp. z o.o. in Katowice. Insulation: 20 cm polystyrene in walls, 30 cm polystyrene on roof and 15 cm in the floor. High efficiency windows with $U=0,5 \text{ W/m}^2\text{K}$ . Building equipped with the BMS system which controls all energy equipments.

Year of construction	2008
Total gross area (m <sup>2</sup> )	2 404
Volume (m <sup>3</sup> )	-
No. of floors	3
Glazed surface level	about 60%

### Cooling concept

Cooled area :	2 485 m <sup>2</sup>
Cooling approach (description) :	Thanks to application BKT system building do not have a standard heating and cooling system. Due to the low ground water level four vertical boreholes (18 m each) feed a heat pump with water for heating in winter and cooling in summer. Heat pump works with COP = 4,0
Annual electricity consumption (kWh <sub>el</sub> /m <sup>2</sup> ):	No data

### Building concept

Comfort	High
Solar protection	High solar protection based on use of external windows shutters with automatic regulation.
Lighting performance:	High
Office equipment:	No data
Regulation:	High level (BMS system)

### Links and download files

<http://www.euro-centrum.com.pl/info/budynek-energooszczedny/jak-dziala>

### Contact

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