



## Galeria Krakowska in Cracow – a sign of Poland’s new-found prosperity.

Cracow is one of Poland’s oldest and loveliest cities, with a history stretching back to the 10<sup>th</sup> century. As well as Wawel Castle (the residence of the Polish kings) and several other buildings, the entire historic centre is a UNESCO World Cultural Heritage Site and is ranked among the world’s twelve most historically valuable locations. Cracow also shows the rapid strides that Poland is making with its development. The new Galeria Krakowska is just one example.

This shopping gallery in Cracow is part of a unique renewal project named ‘Nowe Miasto’ (= new city). It also reflects a new philosophy of urban development: in past decades, most shopping centres were constructed on ‘green field’ sites but now German project developer ECE intends to create them in inner cities where they will inject new vitality. With a total of 84

Over 85 Sauter employees were on site during the peak months. The 74 MCCs and all 278 tenants’ boxes for the shops were manufactured in our own production facilities within just three months.

### Extensive interior equipment

Three storeys offer shopping space of over 60,000 square metres and office space of

The 278 shops are air-conditioned with VAV systems. EY3600-ecos intelligent unitary controllers are used for all the rental properties except for the five largest, which are equipped with the novaFlex controller.

The system automatically sends SMS messages to the duty technician if a critical alarm status occurs.

A change-over system is deployed throughout the entire building. Each ventilation plant is equipped with only one coil for heating/cooling, but with separate hydraulic circuits for each of the two functions. In the heating circuit, the line is split  $\frac{1}{3}$  to  $\frac{2}{3}$  so as to guarantee linearity in the event of low flow rates. Ice banks with glycol circuits are used for peak compensation.

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projects completed, ECE is currently the European market leader.

### Completion at Sauter’s pace

Only seven months were left to complete the building automation in this shopping centre – the largest ever built by ECE! The team at Sauter Building Control Slovakia in Bratislava jumped in to save the day – a very demanding trial of strength for what is almost the youngest of Sauter’s subsidiaries. The opening took place as planned on 27th September 2006, marking a huge success for everyone concerned.

10,000 square metres. The total ground area is split into two passages and three main piazzas. The first basement includes a link to Cracow’s main railway station.

The technical plants are distributed over 15 central units. To give an impression of this project’s dimensions: there are no fewer than 400 smoke extraction fans with separate louvre dampers. The dampers are executed doubly to increase reliability, and they are monitored separately by one differential pressure switch each. This also allows complete remote tests.

### Project data

- novaPro management level
- 14,000 data points
- 495 plant schematics
- 280 km of cable laid
- 74 MCCs
- 278 tenants’ boxes