

TESCO saves 25% energy by LEC devices



Power Electronics



TESCO Global Áruházak Zrt. has carried out several successful energy saving project since 2004 in cooperation with Bricks&Bits Kft.

The most successful and the most significant energy saving solution for TESCO was delivered to the lighting system of parking lots and shopping areas and was reached by the LEC voltage control systems distributed by Bricks&Bits Kft.

The TESCO Zrt. is the most dynamically improving shopping network of Hungary with 57 hypermarkets and 31 supermarkets at the current moment. In the near future it plans to open several new stores by which the number of stores will be close to 100. This is an extraordinary result in the region.

The hypermarkets of Tesco with opening hours around the clock represent a great amount of energy consumption and the cost of lighting energy is

significant both in the shopping area and the lighting network of parking lots.

The TESCO Zrt. has decided in 2004 that it equips the lighting of the parking lots of its 20 biggest stores with the LEC voltage control system.

As result of the investment the TESCO Zrt. has reached on average 25% of energy saving on these systems.

Due to the good results the TESCO Zrt. has introduced this solution to the lighting network of the shopping areas in further 4 hypermarkets. In addition, the lighting system of newly built parking lots are already planned to be equipped with the LEC devices.



Energy saving of TESCO Zrt achieved after the installation of LEC devices

The energy saving projects has been carried out by TESCO Zrt. in cooperation with Bricks & Bits Kft. The table contains the total energy saving reached by the LEC voltage control systems on the lighting network of parking lots and store area.

Year 2004	Saved power (kW)	Saving (%)	Saving/year (EUR)
Parking Lighting	182 kW	25%	46,640
Store Lighting	42 kW	21%	21,070
Year 2005			
Parking Lighting	182+32 kW	24%	54,720
Store Lighting	42+125 kW	22%	92,530
Total:	605 kW		215,000EUR