

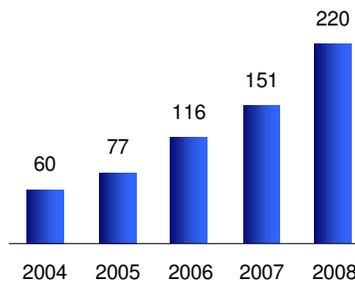
# BULGARIA: ELECTRICAL ENGINEERING FACTSHEET

InvestBulgaria Agency – March 2010

## Foreign Direct Investments

- ✓ Approximately 500 companies in electrical engineering, only 20 of them are large
- ✓ Export is about 50% of the production and half of the export is for the European Union
- ✓ Quality management systems applied – ISO 9001:2008, ISO/TS 16949:2002, ISO 14001:2004
- ✓ +4300 - number of students, enrolled in Electrical Engineering (2008-2009)
- ✓ +600 number of students, graduated in Electrical Engineering (2008)

FDI in electrical engineering sector, USD m



Source: NSI

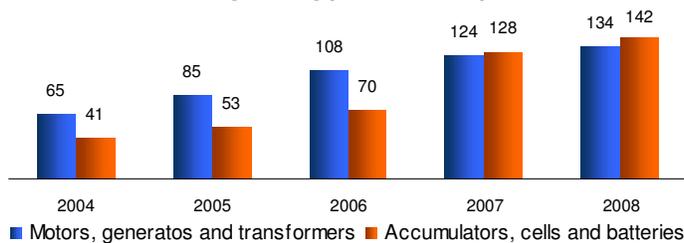
Top electrical manufacturers, by net sales, 2008

Company	Location	Net sales, EUR m
Liebherr	Radinovo	156.5
Monbat	Sofia	92.5
Se Bordnrette Bulgaria	Karnobat	72.1
Filkab	Plovdiv	66.4
Schneider Electric	Sofia	55.5
Elcable	Burgas	51.0
Hyundai Heavy Industries	Sofia	38.8
ABB Bulgaria	Sofia	27.6
Gamacable	Smolyan	23.5
Yazaki Bulgaria	Yambol	9.6

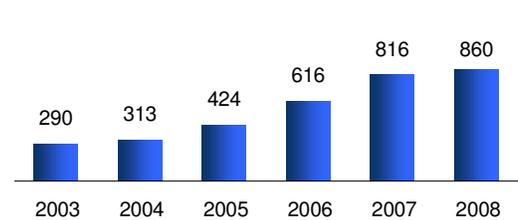
Source: Bulgarian Industrial Association

## Market review

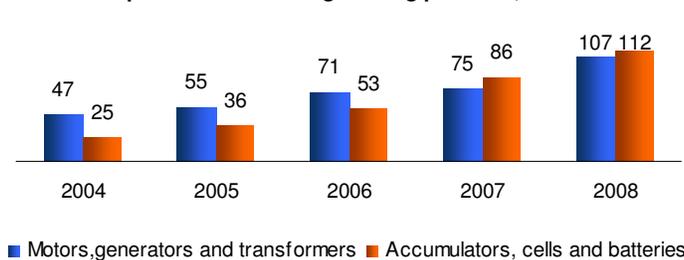
Electrical engineering production output, EUR m



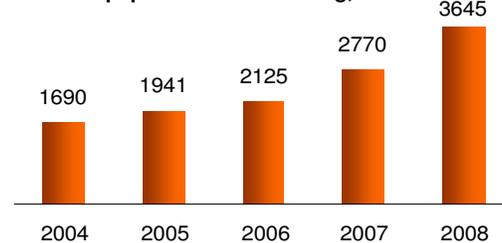
Production of electrical machinery and apparatus, EUR



Export of electrical engineering products, EUR m

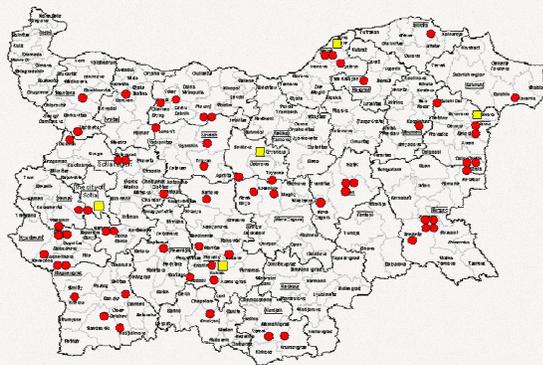


Annual average gross wages in electrical equipment manufacturing, EUR



Source: NSI

## Education



- Technical Universities
- Electrical Engineering Schools

Number of students in electrical engineering (2008/2009)

City	Enroll.	Grad.	Total
Sofia	2156	416	2572
Plovdiv	319	37	356
Varna	810	183	993
Rouse	366	70	436
Gabrovo	686	47	733

Source: NSI

## Case studies



Schneider Electric SA is a manufacturer of equipment for electrical distribution and industrial control and automation.

The Bulgarian unit of French engineering group Schneider Electric has opened a new \$11 million production line for circuit breakers at its plant, located in the city of Plovdiv.

The plant produced 14 million poles in 2009 and it is expected to make 17 million poles this year, 26 million poles in 2011 and reach 38 million poles in 2012.

Schneider Electric Bulgaria exports around 85-90 per cent of the Plovdiv plant output and sells the remainder on the domestic market.

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Liebherr Hausgeraete Maricaï Is the daughter company of Liebherr Hausgeraete Ochsenhausen GmbH, headquartered in Germany, part of Liebherr Group which is organized on a decentralization principle with controllable, autonomously operating companies, led by Liebherr International AG, headquartered in Bulle, Switzerland.

Liebherr Hausgeraete Marica EOOD is located in Marica Industrial Zone, Plovdiv region, manufactures refrigerators and freezers of the highest technical level.

Liebherr is among the pioneers in using natural substances like pentane and isobutene in household cooling appliances. All products are compatible with the most stringent European and world environmental requirements and regulations.

