

Electronics

5 key arguments to invest in the Hungarian electronics sector

- ✓ Access to a well-qualified labour pool
- ✓ Strong co-operation between industry and academia
- ✓ Availability of ideal locations, technology parks
- ✓ Presence of international EMS firms
- ✓ Make your presence in Hungary! Some others have already...

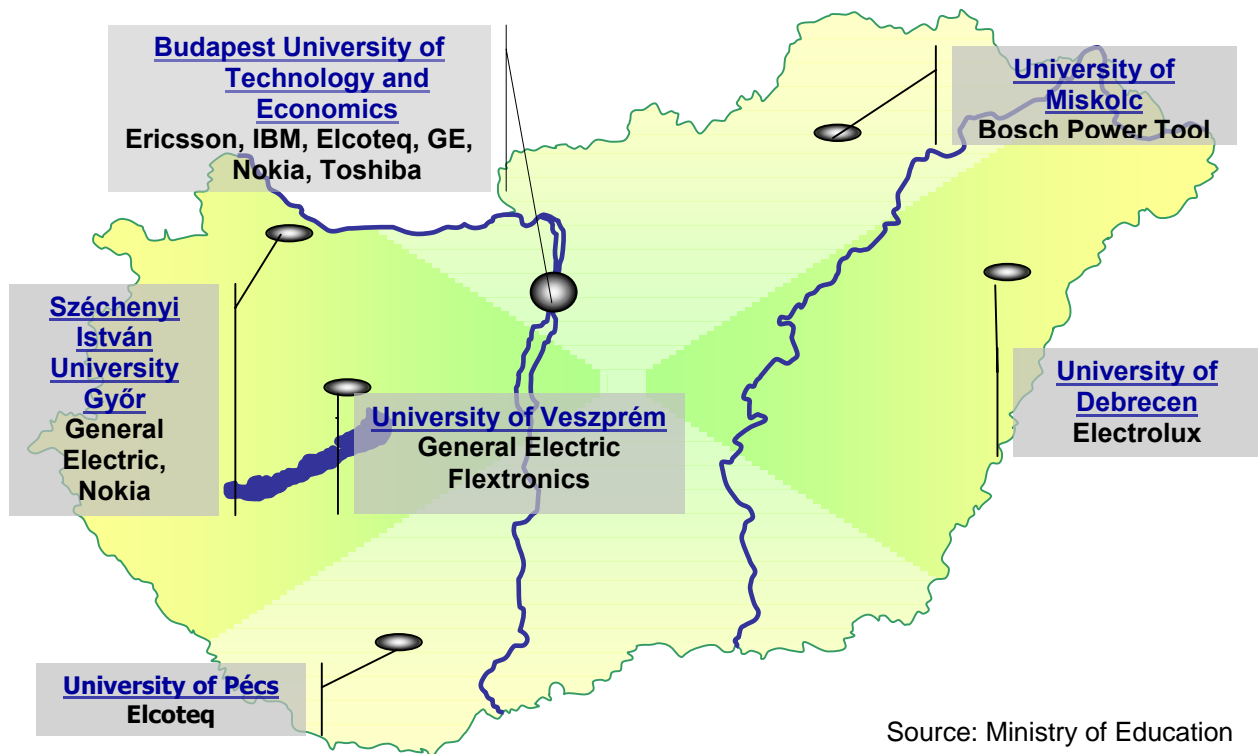
✓ Access to a well-qualified labour pool

- More than 50 technical secondary schools with about 20,000 students studying electronics-related vocations
- 6 universities/colleges offering electronics-related education in Hungary, with about 35,000 students
- In 2006 a total of 16,000 students applied for technical faculties after finishing secondary school.
- Technical universities and colleges continuously develop their education by adapting their profiles to the expectations of large electronics manufacturers. Universities cooperate with several companies (such as IBM, Nokia, Mentor Graphics) in working out curricula and providing hands-on experience to students.
Click [here](#) and learn more about the Hungarian labour market...

✓ Strong co-operation between industry and academia

- Good examples to follow: **R&D centres** in electronics such as Ericsson (basic research in telecommunication systems), General Electric (lighting device development and X-ray technical devices), or Nokia (software and hardware development for telecommunication systems).
- Close **cooperation between universities and multinational companies** particularly in telecommunications, electronics and medical research.
Click [here](#) and learn more about the Hungarian R&D sector...

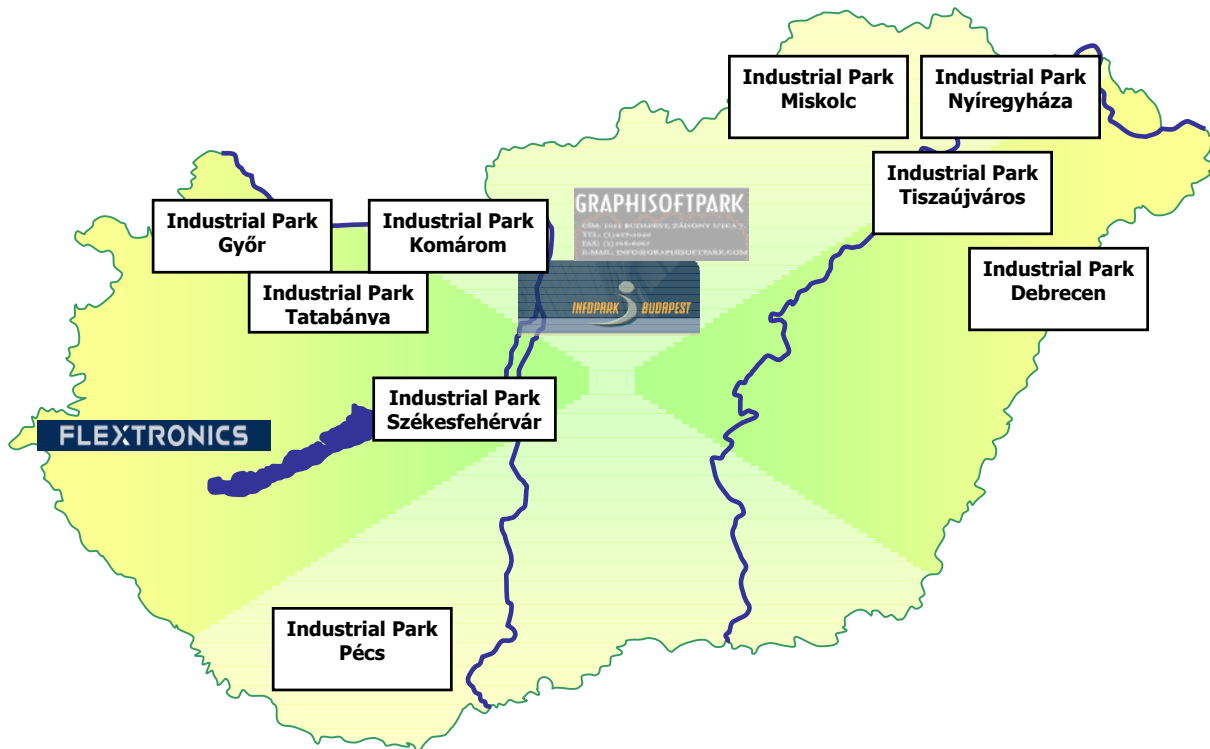
Universities and Corporate Research Centres in Electronics



✓ Availability of ideal locations, technology parks

- Examples include: **Infopark** (Axelero, IBM, HP-Compaq), **Science Park** (Budapest University of Technology and Economics, Black Hole Software, Ericsson, Tata), **GraphiSoft Park** (Canon, GraphiSoft, Microsoft, Thales Nanotechnology), **Flextronics Park** (Zalaegerszeg), **Industrial Park Komárom** (Foxcom, Nokia), **Regional Innovation Industrial Park Debrecen** (National Instruments), **Industrial Park Győr** (Philips etc.), **Industrial Park Székesfehérvár-Sóstó** (Philips, Sanmina, Denso etc.) or **Industrial Park Tatabánya** (Grundfos, Bridgestone etc.)
- Besides the above mentioned technology parks, **179 well-equipped Industrial Parks** await new investors in Hungary. Click [here](#) and learn more about the Hungarian Industrial Parks...

Major electronics focused technology parks in Hungary



✓ Presence of international EMS firms

- Many of the global **leading electronic players** are present in the country such as General Electric, Philips, Siemens, IBM, HP, Ericsson, Nokia, Sony, Samsung or NCR. However, Hungary has been a popular location for **EMS** companies as well, including global tier one suppliers such as Flextronics, Sanmina-SCI, Solectron, Jabil Circuit and Elcoteq.

Major EMS companies present in Hungary



✓ **Make your presence in Hungary! Some others have already...**

Recent investments in the electronics sector

PHILIPS

Philips tripled LCD production in Hungary



Samsung announced to construct new plasma module capacity with an investment of USD 100 million. Production will start in March 2007. Samsung is investing HUF 20 billion (USD 100 million) in the next 1.5 years to expand its LCD production capacity in Jászfényszaru, Hungary. The new plant will start production in 2007 and reach its full capacity in 2010 employing an additional 1000 people.



Elcoteq invested in a further production capacity to satisfy growing demand from the mobile telephone industry. The company – which located its European headquarters here in 2005 - plans to hire additional 600 people.

SANYO

Sanyo enlarged its solar module production capacity in Dorog and also started the construction of an air-conditioning production unit at the same location.



Diebold relocated its ATM production capacity from France to Hungary in 2006.



Bosch increased investment in Hungary in 2006, and created 700 new jobs.



GE imagination at work

GE relocated the production of lighting fixtures from France to Hungary.

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The Hungarian Electronics sector at a glance

“Hungary is the 4th FDI destination for electronics projects in Europe, 2005” Ernst and Young, European Investment Monitor, 2006

In the 1990s Hungary emerged as a major global production location in the electronics industry. The inflow of foreign capital boosted record levels of **growth in the sector amounting to about 10% annually**. Today, with its **USD 10 billion manufacturing output**, Hungary represents **4.5% of the electronics production of the European Union**. The country is the most important electronics producer of the CEE region. Electronics is one of the leading-edge sectors of the country: 17% of the industrial employees work for electronics companies producing 25.5% of the industrial output and 42% of the total exports.

For the past few years, foreign investors have shown a particularly keen interest in four areas: information technology, communications, consumer electronics and automotive electronics.

In **information technology** Hungary is a major producer of peripherals. Computing is the largest sector within electronics, representing 30% of the total output. The country has a strong tradition in **consumer electronics**, producing around three million colour TVs and over five million VCRs annually. In **telecommunications**, foreign manufacturers of mobile devices and removable parts (such as Nokia, Ericsson or Siemens) have set up centres of excellence in Hungary, spurring innovation and new applications. A number of companies supplying **auto electronics parts** (e.g. Continental Temic, Delphi and Bosch) have made serving the large car and bus manufacturers active in Hungary (e.g. Audi, Suzuki, GM, NABI, Rába) their top priority.

If you want to learn more about the Hungarian electronics sector, please send us a query by clicking [here](#).

We are happy to provide you with further information on:

- Contract manufacturing services in Hungary – analysis
- Flat display panel market in Hungary – analysis
- Market and production statistics by subsectors, 2002-2008
- Statistics on salaries in related positions
- Statistics on electronics related education
- Ideal locations in Hungary where you can make your own success story
- Etc.

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