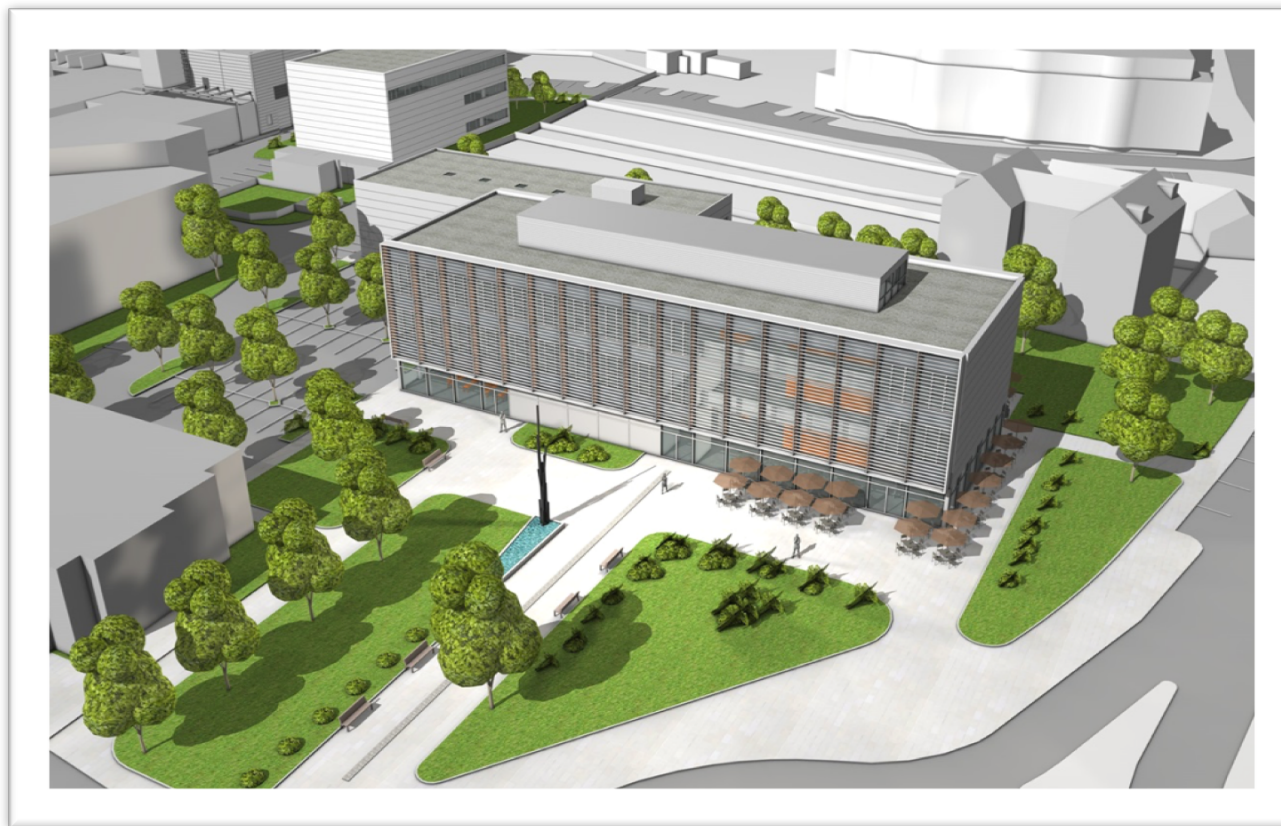# Centre of Cooperation between Higher Education and Industry at Széchenyi Istvány University

Attila Molnar

Széchenyi István University

- Located at Győr
- Number of students: **12.261**
- Number of faculties: **9**
- Number of departments: **50**
- Number of staff: **979**

Economic environment

- Strong local industry

- Manufacturing oriented SMEs integrated into global value chains as Tier 2 and Tier 3 suppliers

- Main specialization of the business sector is automotive industry (e.g. Audi Hungaria Zrt.)

- EU-national Grant has been awarded to form a sustainable **Centre of Cooperation between Higher Education and Industry (FIEK)**

EU-national Grant: GINOP 2.3.4 -15 – 2016 - 00003

- 6.254.379.595 HUF (approx. 20 Mio. EUR)

- Focus: digital manufacturing, SME innovation capability

- R&D projects on application areas:
  - Mathematical modelling and simulation
  - Cyberphysial systems
  - Virtual reality – collaboration areas
  - Human- robot cooperation
  - Electric-mobility

- Output indicators:
  - Q1 publications: 43
  - Patents: 4
  - PhDs: 11
  - Spinoff: 4

Real goal: Sustainable Entrepreneurial University

Traditional University → GINOP 2.3.4 - 15 → **Business–focused University**

The business sector is a weak pillar in funding of the university
Industrial application of scientific results are seldom
No clear and transparent processes for cooperation

Industry is a strong pillar in finance
Real industrial application of scientific results
Clear processes for cooperation

GINOP project is considered as a **R&D training program**.
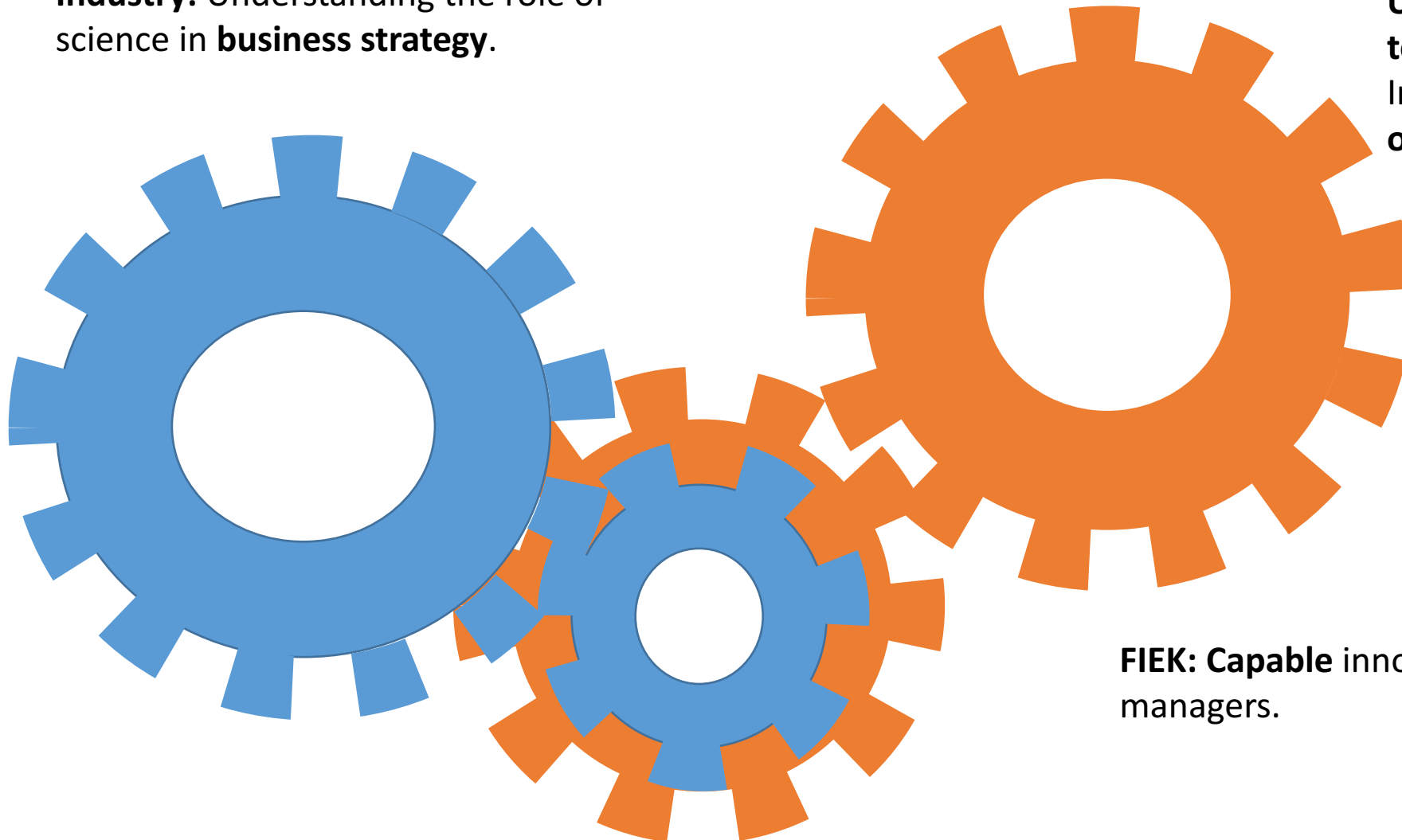
How – What brings success?

- **Originality:** The capability of creating industry-relevant **original** scientific solutions is key to sustainability.

- **Capability:** „Man is still the first weapon of war" Innovation managers/scientists required, with special skillset.

- Clear methods are implemented to create both.

Operation Model: FIEK - Clutch-role

Industry: Understanding the role of science in **business strategy**.

University research team outputs: Industry relevant **original** solutions.

FIEK: Capable innovation managers.

Role of FIEK in the University Environment

- Externally: Selling science which serves business strategy (**explanation**)

- Internally: Selling industrial problems which serves the development of the institution (**abstraction**)

- Creating processes for the university to reach cooperation excellence

- **Quality management** and inspection in cooperation projects (ensuring timely, well-documented, high quality projects)