



Европейски комитет
на регионите



ОБЩИНА ГАБРОВО



Companies of the future and Regional innovation ecosystem

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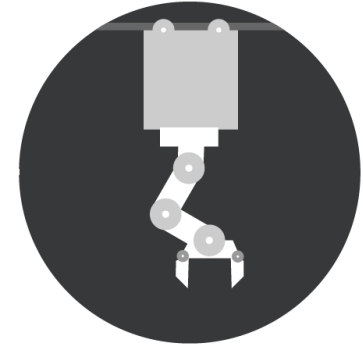
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Gabrovo, Sept 17th 2019

Ready for Industry 4.0 !!!???

- 2 -

LINEAR ECONOMY



take – make – use - dispose

1765

1870

1969

DIGITALISATION (Industry 4.0) and CIRCULAR ECONOMY (the driver of innovation)



nowadays

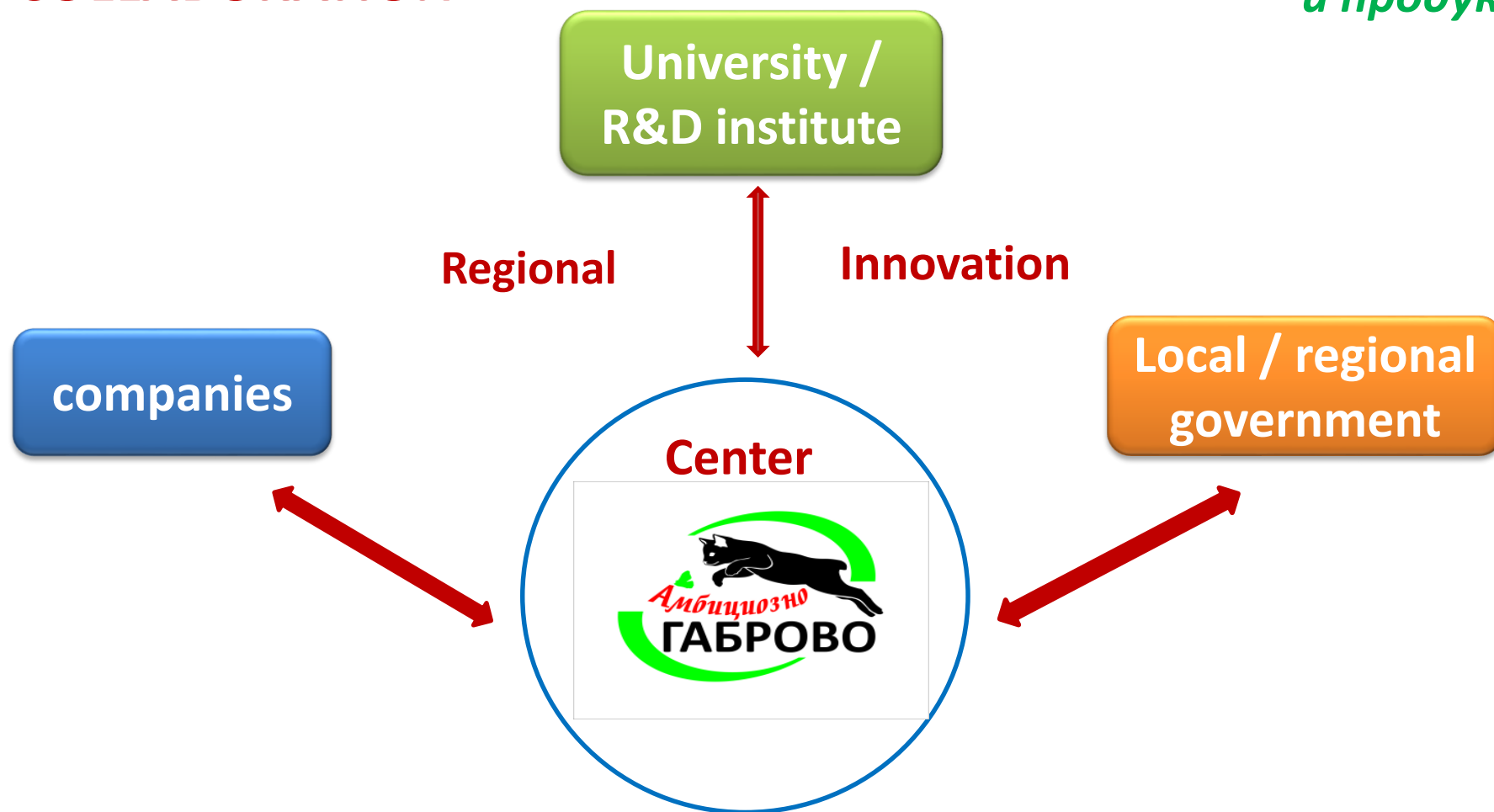


Companies of the future

- 3 -

*The essential success factor is
COLLABORATION*

*Да превърнем
науката в нови
материали, технологии
и продукти*



Supporting the high added value economy

COMPANIES OF THE FUTURE

Managing the innovation through Regional innovation ecosystem

COMPANIES



БЪЛГАРСКА ТЪРГОВСКО-ПРОМИШЛЕНА ПАЛАТА
BULGARIAN CHAMBER OF COMMERCE AND INDUSTRY

R & D institute/UNIVERSITY



Institute of Solid
State Physics

REGIONAL government



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4 directions:



- Incubator for talents
- Devices for automation
- Materials and technologies
- Circular economy



Incubator for talents



- Widening of **digital** skills (*ICT standardization*)
- Work based learning (*legislation, too many regulation*)

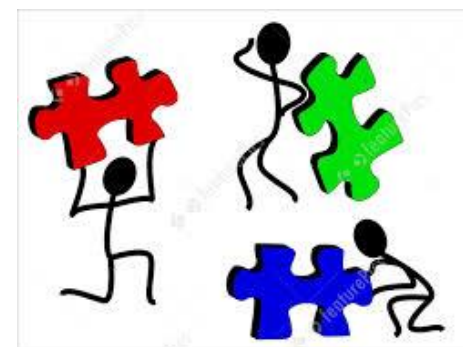


Devices for automation



Innovative partners in design and manufacture of servo drives, linear motors, etc.

Characteristic: **modular principle**



Let's together construct the puzzle and get a clearer picture

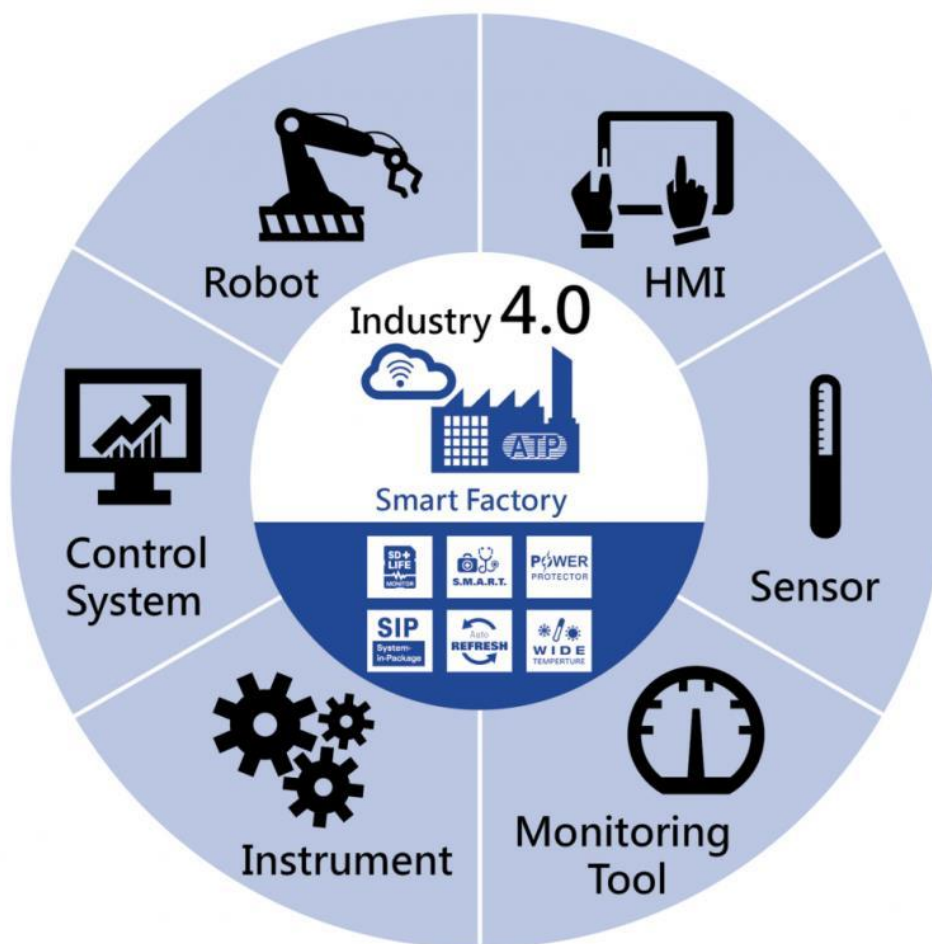


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Materials and Technologies



Fast and save technologies with digital twins



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Circular economy

- Clean and safe energy
- Resources and materials' efficiency

Making the most of resources:
repair - reuse - recycle

EU manufactures > 2.5 billion tons of wastage
Global economy – only 9% circular



The challenge is our opportunity



The **digital** region of Gabrovo

ready for Industry 5.0 – the human factor and the AI

**The human creativity will always be a factor, but we have to
change ourselves together with all the innovations**



Join us in our innovation efforts



Thanks!



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