



**STAIRWAY 2 EXCELLENCE – NATIONAL EVENT CROATIA**

**CROATIAN INNOVATION ECOSYSTEM**



REPUBLIC OF CROATIA  
MINISTRY OF ECONOMY

# CROATIAN SENSATION – CHANGING THE WORLD SYSTEMATIC APPROACH OR „LUCKY SHOT“?

Did you know that the tie, pen, parachute and mp3 engine are invented in Croatia?

## Nikola Tesla

Man who invented the 20th  
century  
1856 – 1943



## mp3 Engine

Croatian inventor  
**Tomislav Uzelac**  
invented 1997



## Ball-point pen

Croatian inventor  
**Eduard Slavoljub Penkala**  
1871 – 1922



## SMS Parking

Croatian invention  
invented 2001



## Fingerprinting

Croatian inventor  
**Ivan Vučetić**  
1858 – 1925



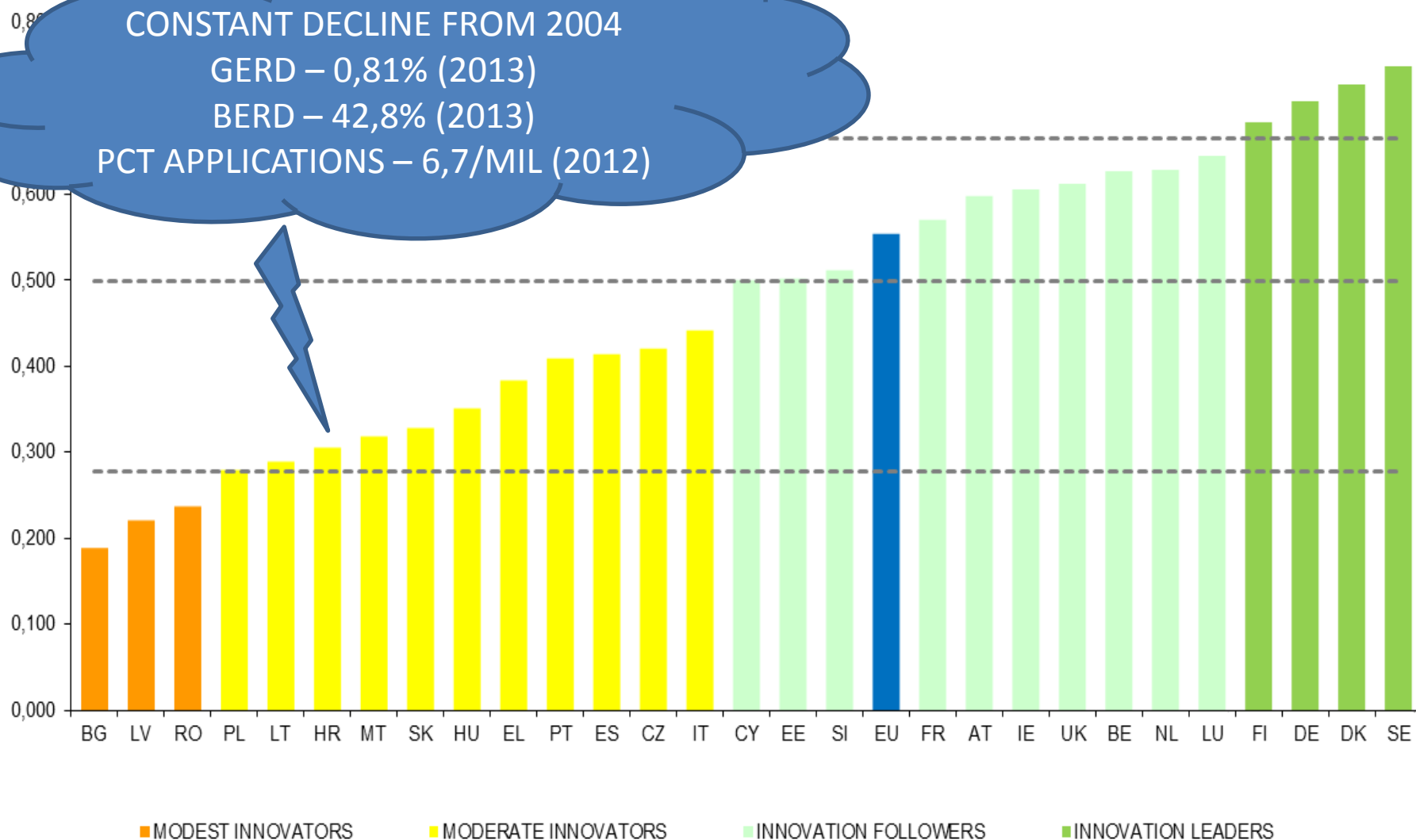
## Parachute

Croatian inventor  
**Faust Vrančić**  
1551 – 1617





# Innovation Performance of the EU MS (2014 Summary Innovation Index)





# CURRENT STATE OF PLAY POTENTIAL FOR IMPROVEMENT

Low  
performance  
in Innovators  
**(19 IUS)**

Inadequately  
educated  
workforce  
**(16 IUS)**

Insufficient  
business sector  
capacity to  
innovate  
**(26 IUS)**

Low  
performance  
in Economic  
effects  
**(25 IUS)**

Inadequate  
research  
system  
**(25 IUS)**

Weak  
university-  
industry  
collaboration  
in R&D  
**(20 IUS)**

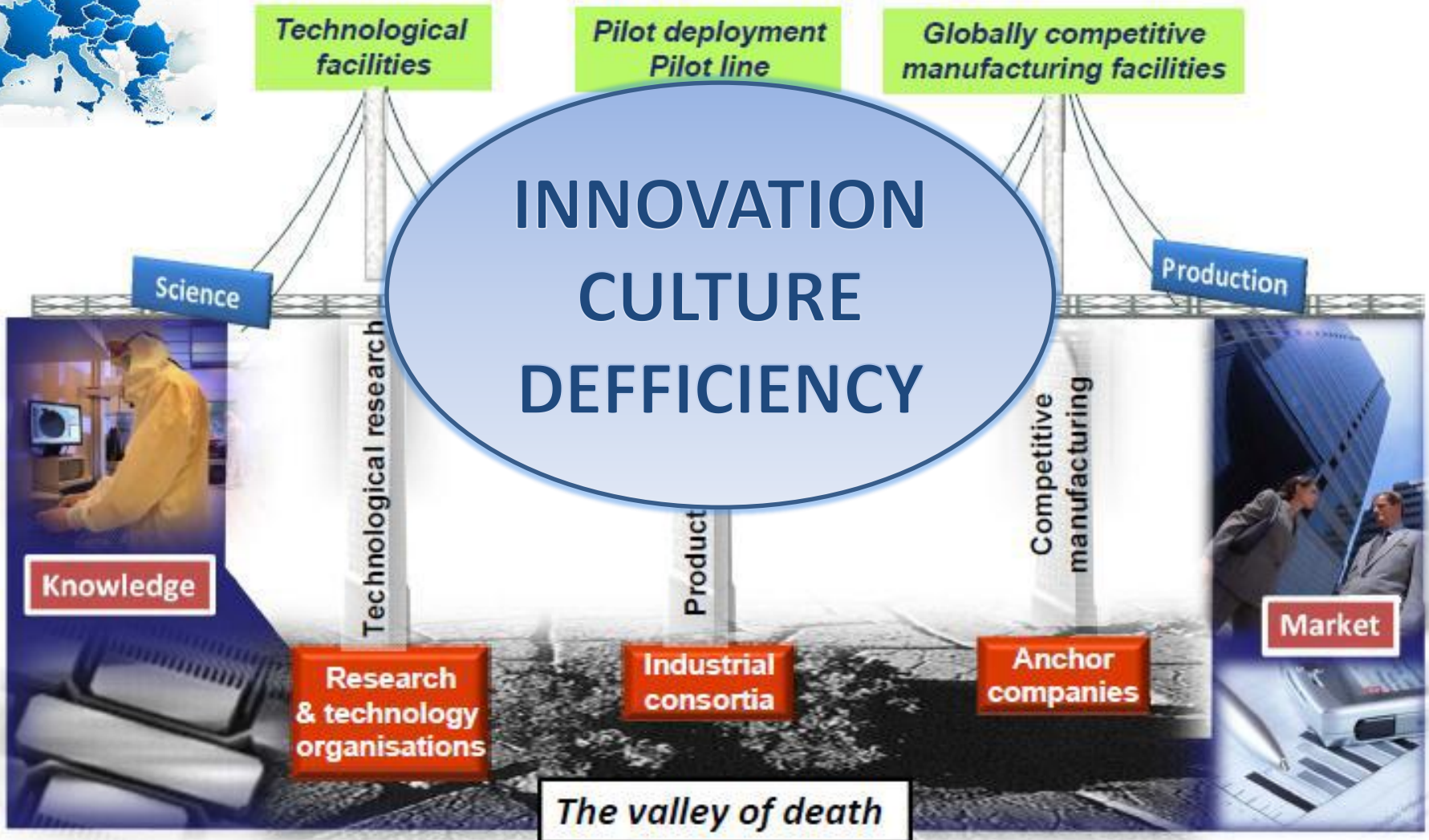
Inadequate  
finance and  
support for  
R&D  
**(24 IUS)**

Low  
intellectual  
assets  
**(27 IUS)**

# MAIN GOAL OVERCOMING THE „VALLEY OF DEATH „ SUCESSFULL TRANSFER OF KNOWLEDGE INTO ECONOMIC PROFIT



European « three pillars bridge » to pass across the « valley of death »





# NATIONAL INNOVATION STRATEGY 2014-2020

REPUBLIC OF CROATIA  
MINISTRY OF ECONOMY

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## MAIN STRATEGIC GOAL

*Increasing the level of competitiveness of the Croatian economy and increase social well-being as a result of investments in knowledge, creativity and innovation.*

### CREATION OF NATIONAL INNOVATION SYSTEM:

- INSTITUTIONAL SET-UP
- LEGAL AND FISCAL FRAMEWORK
- INNOVATION INFRASTRUCTURE
- FINANCIAL MECHANISMS ORIENTED TOWARDS INNOVATIONS
- HUMAN RESOURCES



REPUBLIC OF CROATIA  
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# THEMATIC PILLARS AND RESPONSIBLE BODIES



DEVELOPMENT OF THE NATIONAL INNOVATION SYSTEM AND THE IMPROVEMENT OF THE REGULATORY AND FISCAL FRAMEWORK TO ENCOURAGE INNOVATION

MAIN BODIES: MINISTRY OF ECONOMY, HAMAG-BICRO, MINISTRY OF FINANCE, MINISTRY OF SCIENCE, EDUCATION AND SPORTS



STRENGTHENING THE INNOVATION CAPACITY OF THE ECONOMY

MAIN BODIES: MINISTRY OF ENTREPRENEURSHIP AND CRAFTS, HAMAG-BICRO, MINISTRY OF ECONOMY, MINISTRY OF SCIENCE AND EDUCATION, AGENCY FOR INVESTMENTS AND COMPETITIVENESS, REGIONAL DEVELOPMENT AGENCIES



ENCOURAGING COOPERATION AND FLOW OF KNOWLEDGE BETWEEN BUSINESS, THE PUBLIC AND THE SCIENTIFIC AND RESEARCH SECTOR

MAIN BODIES: MINISTRY OF ENTREPRENEURSHIP AND CRAFTS, HAMAG-BICRO, MINISTRY OF ECONOMY, MINISTRY OF SCIENCE AND EDUCATION



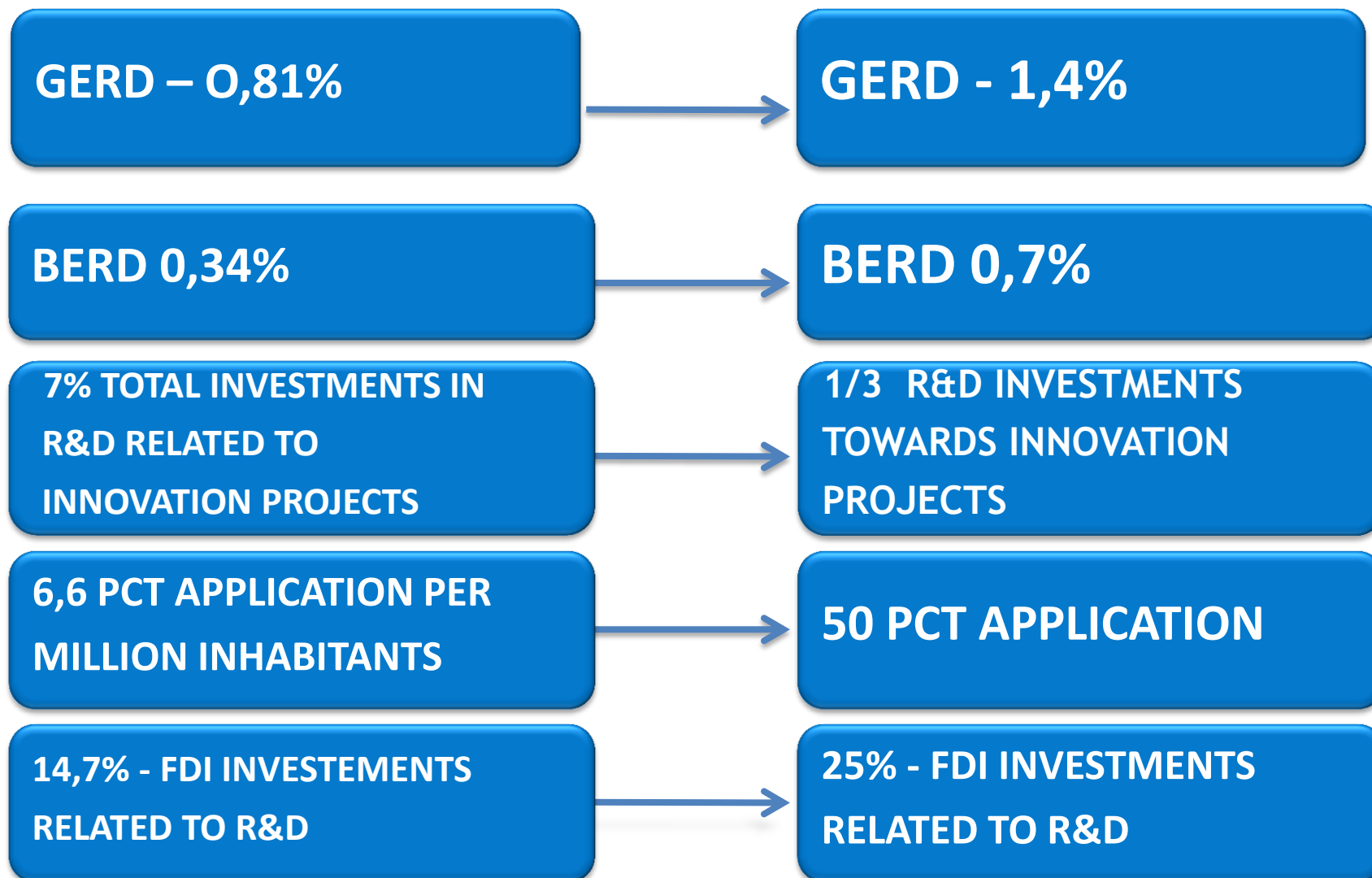
STRENGTHENING HUMAN RESOURCES FOR INNOVATION AND HELP CREATE AN ATTRACTIVE ENVIRONMENT FOR THE "WORLD CLASS" RESEARCHERS

MAIN BODIES: MINISTRY OF SCIENCE AND EDUCATION, HAMAG-BICRO, MINISTRY OF ECONOMY, MINISTRY OF LABOUR AND PENSION SYSTEM



# CLEAR GOALS UNTIL 2020

REPUBLIC OF CROATIA  
MINISTRY OF ECONOMY





# INNOVATION NETWORK INDUSTRY

## Industry Innovation Council

President of the Council Minister of Economy

Members: MRDEUF, MSES, MEC, MT, MLPS, MA, AIC, HAMAG-BICRO, Rectors of the universities, Croatian County Association, Croatian Chamber of Economy, CEA, Croatian Exporters Association, Presidents of thematic innovation councils

Health and Quality of Life Innovation Council

Energy and Sustainable Environment Innovation Council

Traffic and Mobility Innovation Council

Security Innovation Council

Food and bio-economy Innovation Council

Creative industries innovation Council

Tourism Innovation Council

Presidents of the relevant clusters, CEKOM managers, the deans of faculties and colleges, directors of institutes, large companies

CoC 1

CoC 2

CoC 3

CoC 4

CoC n

CLUSTER AUTOMOTIVE INDUSTRY

CLUSTER MARITIME INDUSTRY

CLUSTER WOOD PROCESSING

CLUSTER ICT INDUSTRY

CLUSTER CONSTRUCTION INDUSTRY

CLUSTER HEALTH INDUSTRY

CLUSTER DEFENCE INDUSTRY

CHEMICAL, PLASTICS AND RUBBER INDUSTRY

CLUSTER FOOD INDUSTRY

TEXTILE, LEATHER GOODS AND FOOTWEAR INDUSTRY

CREATIVE AND CULTURAL INDUSTRY

ELECTRICAL AND MECHANICAL MACHINERY INDUSTRY

### ACTIVITIES

1. Coordination of drafting strategy RDI for priority thematic areas and cross-cutting areas determined within the S3
2. Monitoring of the thematic innovation platforms
3. Monitoring the impact to on the Croatian economy

1. Creating RDI strategies for TIAs
2. Project pipeline
3. Education of the business sector for RDI
4. Promotion of innovation

1. Own, collaborative and contractual projects
2. Innovation infrastructure
3. Horizontal activities

1. Defining and improving the value chain and supply chain
2. Export promotion
3. Encouraging FDI
4. Branding
5. Education

### FUNDING SOURCE

EU Project "Support to establish industry innovation networks and development TIAs" (7.5 million euro)

1. EU Project "Support to establish industry and development Innovation Network of TIAs" (7.5 mil. euro)
2. EU tender for RDI projects (200 mil eur)

EU tender for competence centers amounting to € 110 million

EU Project "Support to the implementation of cluster initiatives" in the amount of € 7.5 million

Support for competitiveness clusters operating costs 5 million kuna

### EFFECT

Enhancing the competitiveness of the Croatian economy and realization of industrial growth through increased productivity and diversification of the economy (the development of new products and services)

1. Increase investment in research and development of the business sector (BERD)
2. Number of the business sector RDI projects

Increasing the GDP share of research and development of the business sector (BERD)

1. Increase in exports
2. Increase in FDI
3. Increase the value added of industrial sector
4. Inclusion in global value chains



REPUBLIC OF CROATIA  
MINISTRY OF ECONOMY

# ALL THIS FOR - NEW HOPE RISING





**THANK YOU FOR YOUR ATTENTION**

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