



On the forefront of EU Research </>

HIGH END SOFTWARE RESEARCH AND DEVELOPMENT

research.holisun.com

Short description

- **20 years of experience in software development and research;**
- **partnerships with public bodies, universities, NGO's and companies** from all over the World.



Holisun as a
company

Key Expertise

- Artificial Intelligence
- Federated/Distributed Learning
- Data Science and Data Analytics
- Machine Learning and Data Mining
- Augmented Reality
- Cloud Computing
- Software architecture and development



Holisun Internal structure and areas of interest

Private clients

AIRBUS



Electrolux



ONA



DESMA
THE FINEST IN SHOE PRODUCTION ENGINEERING

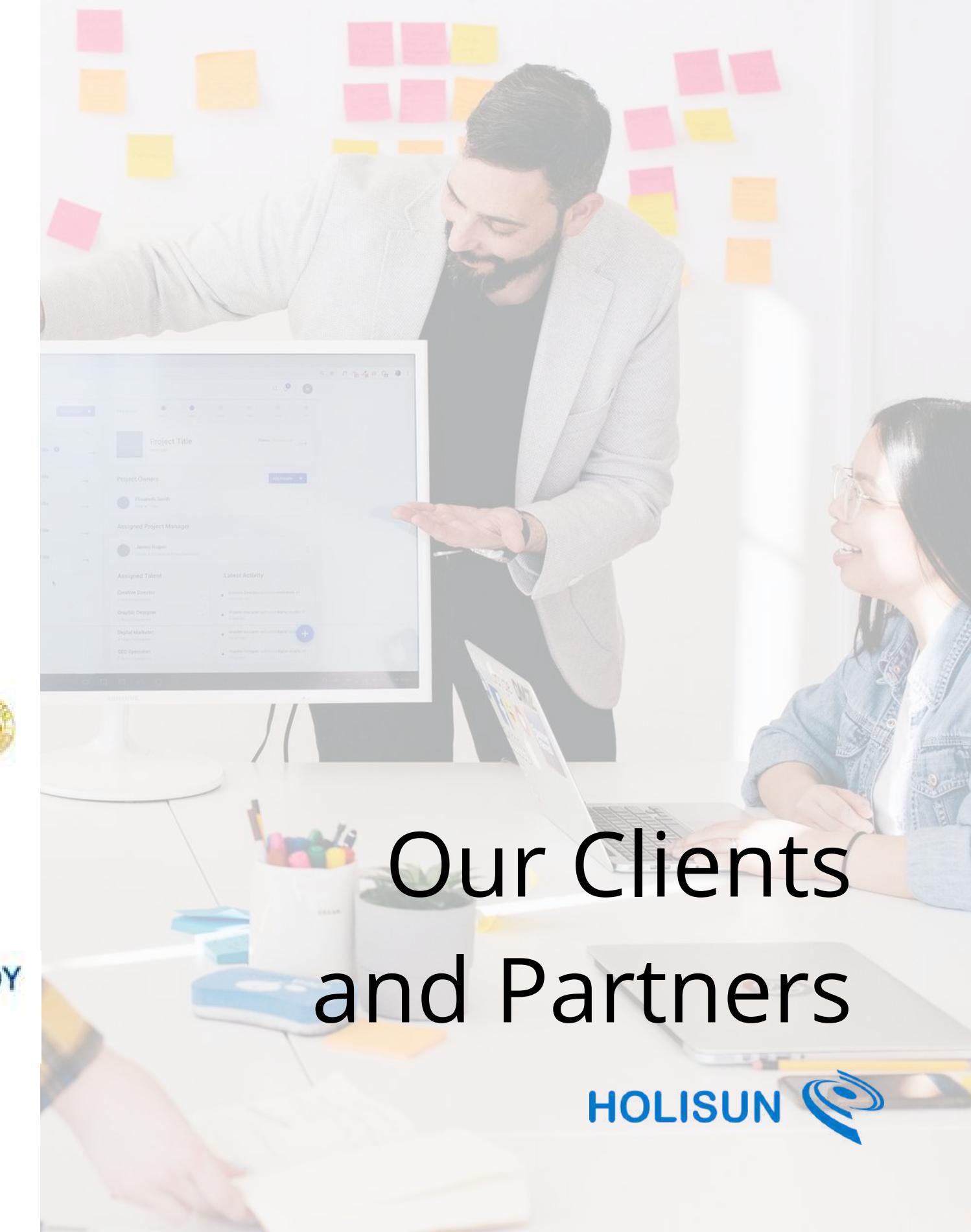
ekol | LOGISTICS 4.0

Continental The Continental logo, featuring the word 'Continental' in orange and a small globe icon.

GLOBAL SAFETY TEXTILES

Gi Group
YOUR JOB, OUR WORK

UAC UNIVERSAL ALLOY CORPORATION®
A COMPANY OF MONTANA TECH COMPONENTS AG



**Our Clients
and Partners**

HOLISUN

Our research projects

R&D Projects

3M+ EUR
2012 - 2024

uefiscădi



Fondul Social European
POSDRU 2007-2013



2 x Regio



2 x chist-era



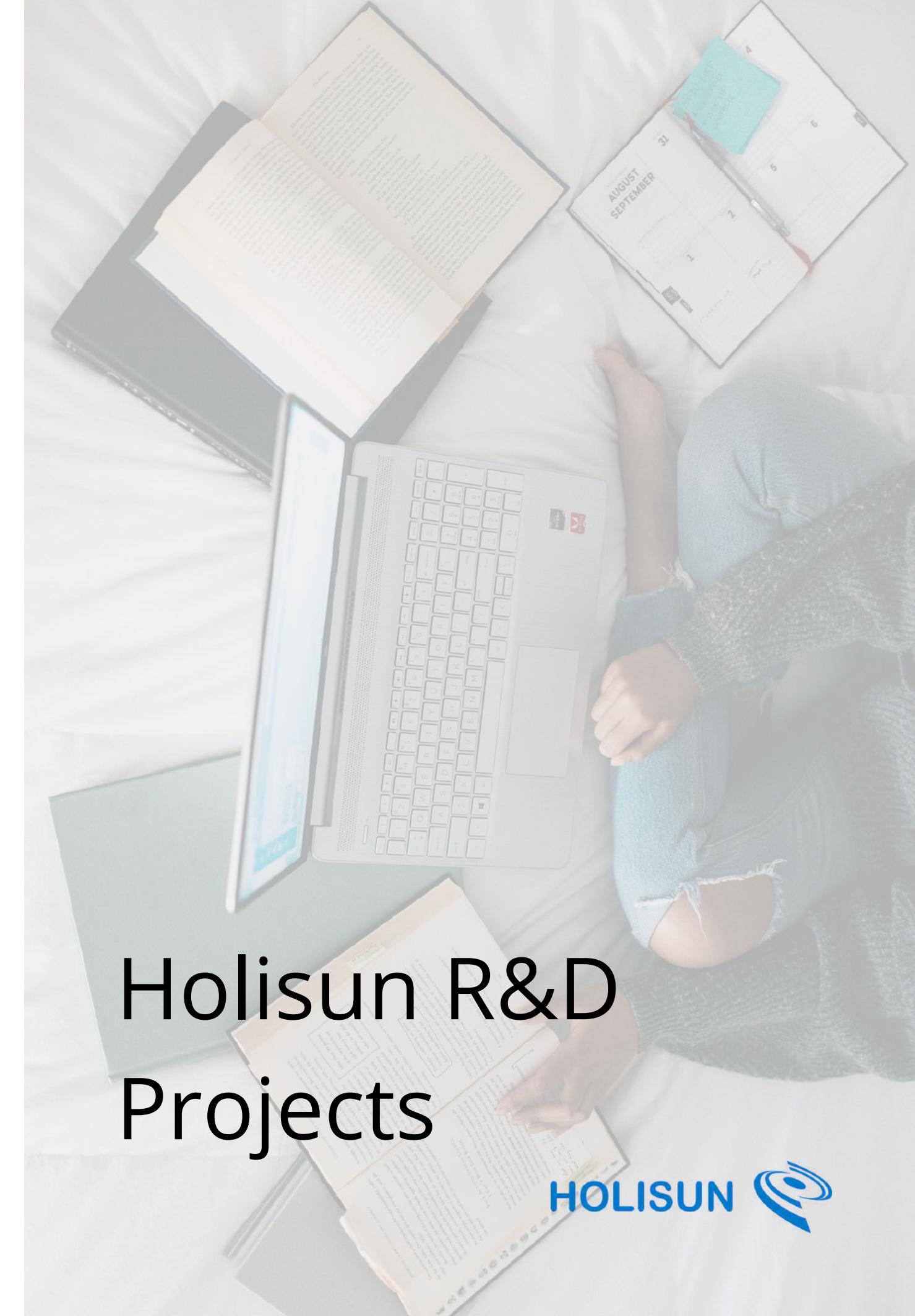
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Holisun R&D
Projects

HOLISUN

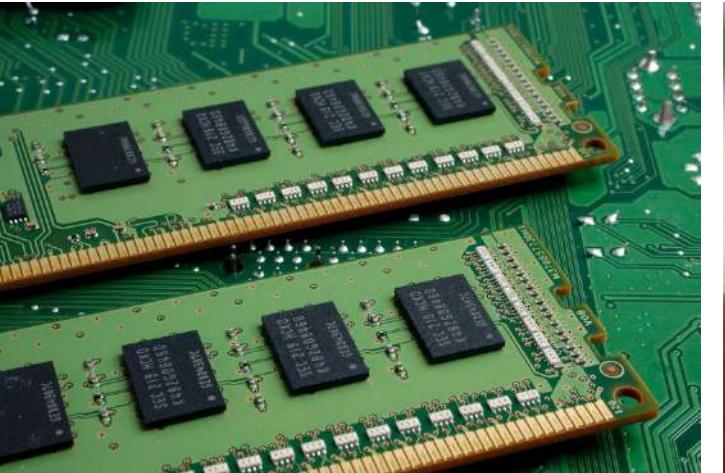


From idea to product



HOLISUN

Cyber Security



- Using A.I. to scan for security related problems
- Monitor application state and integrity
- Securing whole software ecosystems by using digital twin components

BIECO Project

Building Trust in Ecosystems and Ecosystem Components

HORIZON 2020
LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE

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Smart Transportation



- Highly optimized, energy efficient software components for the automotive industry



SDK4ED Project

Software Development toolKit for
Energy optimization and technical
Debt elimination



Industry 4.0



- Advanced Telemetry and Remote Assistance with the usage of Smart Glasses.
- Cloud based Face and Object Recognition with serverless components

Functionizer Project

Multi-cloud & serverless deployment optimisation platform for data-intensive computing

Smart Agriculture



- AI-driven algorithms for yield prediction of mushrooms
- ICT platform to exchange data and information from production to points of sale along the entire value chain of mushrooms;

MUSHNOMICS Project

Unlocking data-driven innovation
for improving productivity and data
sharing in mushroom value chain



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Smart Agriculture



- Optimization of the cultivation process in any hydroponic installation
- Development of an easy-to-use e-agronomist which will assist any grower

GOhydro Project

A smart-sensing AI-driven platform for scalable, low-cost hydroponic units



ERA-NET COFUND
ICT4AGRI FOOD
HOLISUN

Smart Logistics



- Smart optimizations for multi-modal transportation systems
- Improved transport capacity and faster delivery
- Greener technology for the future by implementing A.I. components

Big-Smart-Log Project

The Use of Big Data Analytics for
Process Modelling in Smart Logistics
Operations

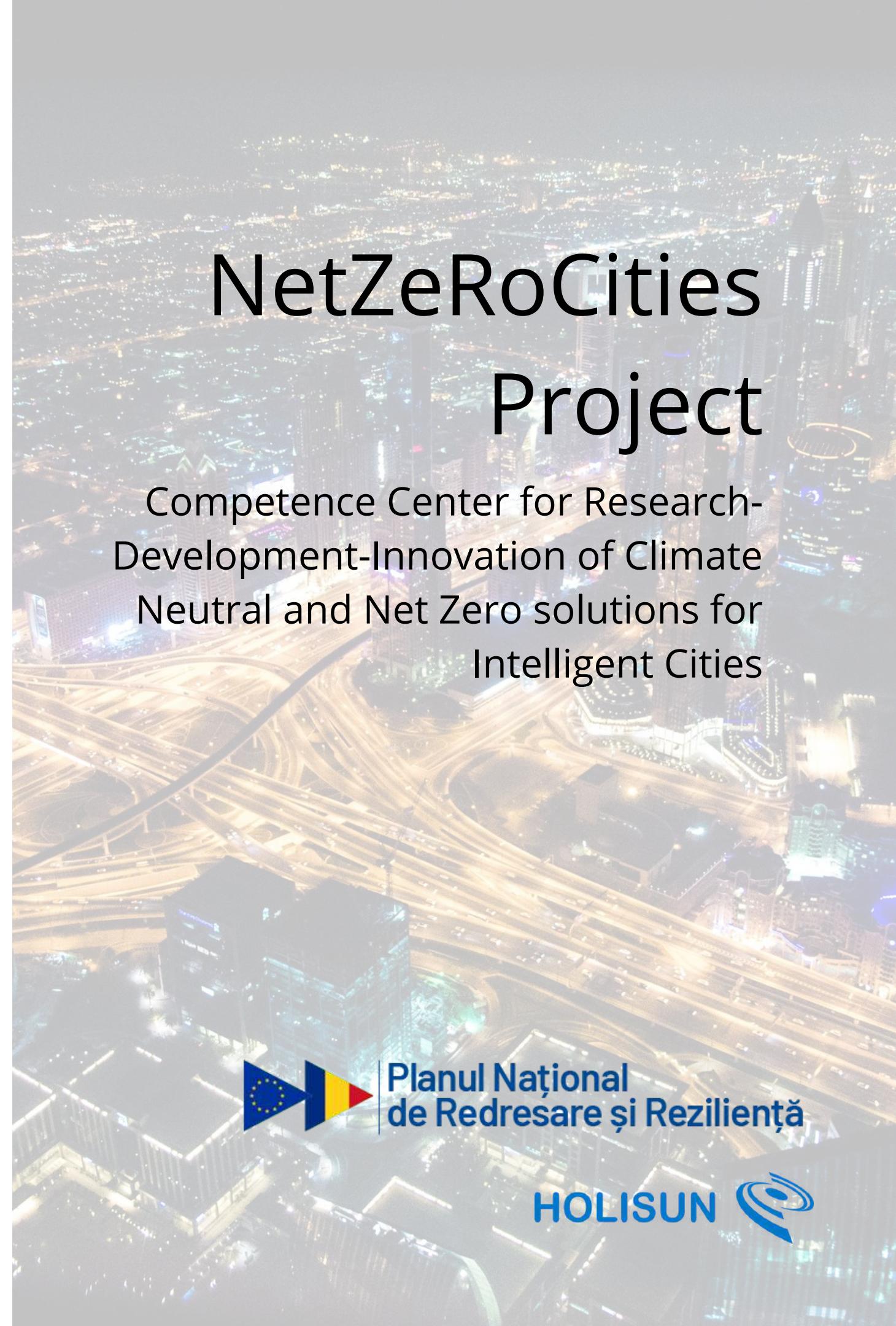


chist-era
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Smart Cities

- Methodological Framework & Climate-Neutral City Governance
- Collaboration Platform & Climate Action Services



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Smart Materials



- Development of a Closed-Loop Research Platform
- AI-Driven Biofilm Modeling
- Software-Assisted Scaling

REPLACER Project

Recycling plastic and developing hybrid living materials by capturing greenhouse gases to produce value-added products



 **M-ERA.NET**

 **HOLISUN**

Smart Water



- Development of a comprehensive hybrid hardware-software security and privacy solutions for the critical infrastructure resilience enhancement

TROCI Project

Towards Resilient Operation of Critical Infrastructures - application to water and energy systems



Collaboration Models

Publicly funded R&D

- EU grants: **Horizon 2020, CHIST-ERA, Eurostars, ICT-Agri-Food**, etc
- Private partnerships
- Other projects involving software research and development

Collaborate
with us

THINK
OUTSIDE
THE BOX



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