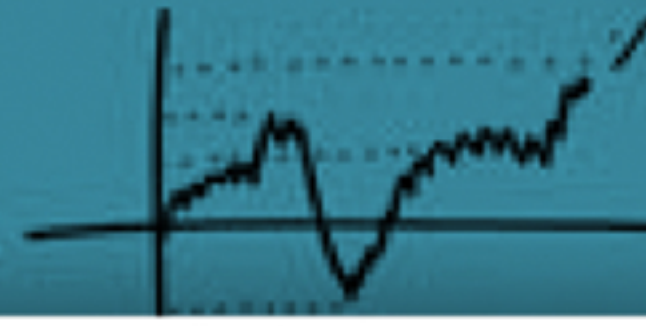


*Innovative*

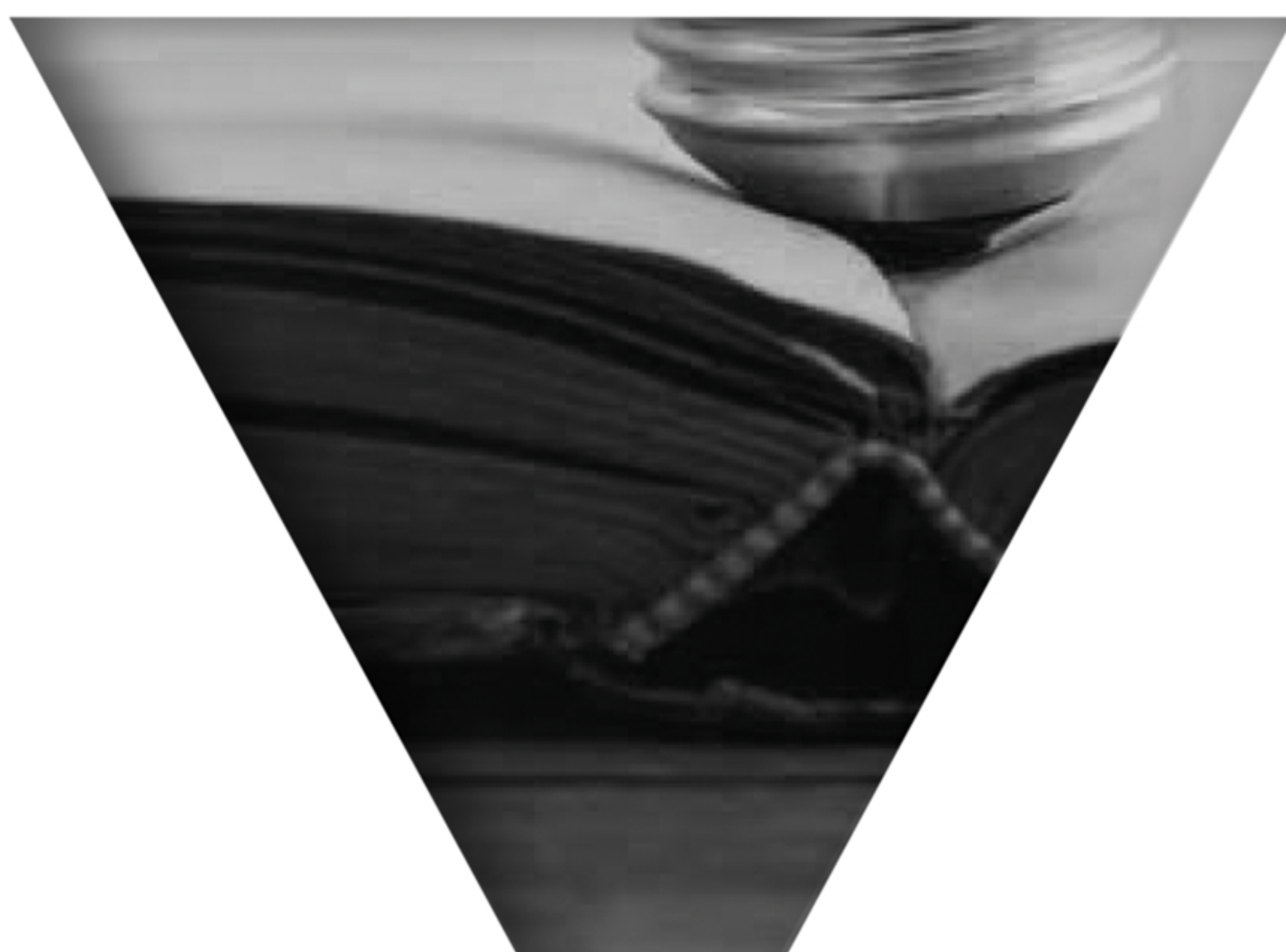


**S** | **SIDROCO**  
NEXT GENERATION SOLUTIONS

*Custom*



*Reliable*





# NEXT GENERATION SOLUTIONS FOR NEXT GENERATION IOT CHALLENGES

## Our Vision

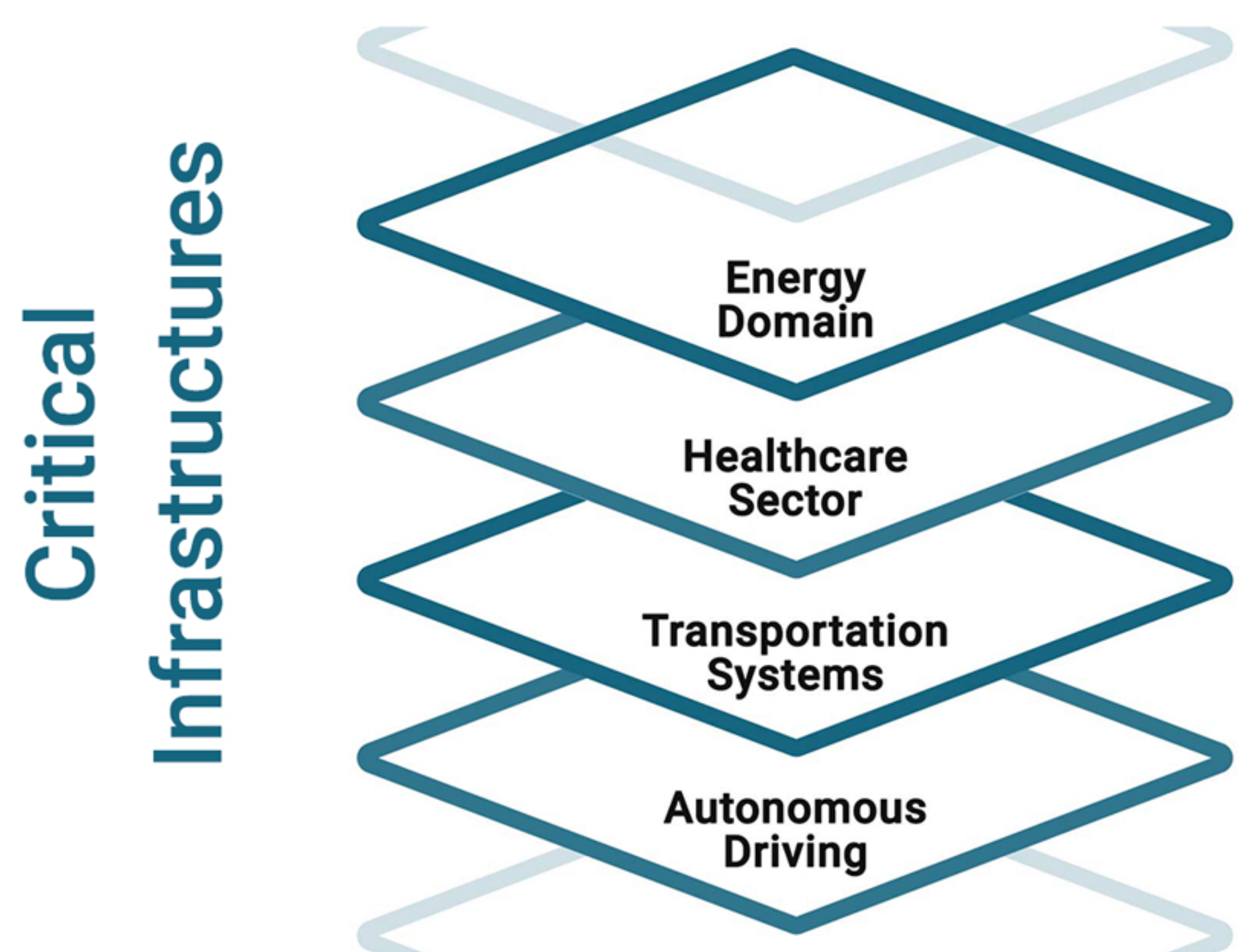
SIDROCO brings a whole range of New Generation Internet of Things (NG-IoT) features and capabilities, for creating, supporting, and managing ultra innovative products and services, by providing efficient, effective, and secure NG-IoT solutions for various heterogeneous environments, including Critical Infrastructures such as Energy, Healthcare, and Autonomous Driving.

## Why work with us?

- ✓ Visualize everything as a service with our latest SiVi© tool.
- ✓ Trap adversare actions by deploying smart honeypots in your business.
- ✓ Effectively utilize AI's potential with our latest AI4CI© solution.
- ✓ Find more for your customers, gain information, become data-driven.

## Innovation Domain

Inspired to be a front runner in IoT-related European and Global markets, SIDROCO was found to deliver excellent solutions, products, and platforms for excellent customers in the NG-IoT landscape following the need for digital transformation in critical and non-critical domains.





## Areas of Expertise



### Artificial Intelligence

- Machine Learning Solutions
- Neural Networks, Natural Language Processing (NLP)
- Deep Learning and Federated Learning



### Security and Privacy

- Customized Honeypots to attract and capture attack traces
- Privacy-enabled and Secure Cyberattack Tools
- Vulnerability Assessment and Management
- Critical Infrastructure and Security



### Telecommunication networks and 5G networks

- Software Defined Networks - Network Function Virtualization
- QoE Monitoring and Management
- Energy Efficient Management Applications and Services for 5G
- Cloud Computing, Edge Computing, Fog Computing



### Big Data Visual-aided Analytics

- Automating Big Data collection from heterogeneous data sources
- Data Analytics, Knowledge Extraction and User Behavior Analyzer
- User-oriented Dashboards for Monitoring and Alerting
- Visual and Predictive Analytics



### Smart Transportation Systems

- Cooperative, Connected and Automated Mobility
- Distributed Control of Connected Autonomous Vehicles
- Distributed Traffic Monitoring and Management
- Smart Parking Solutions and Smart Charging of Electric Vehicles



### Smart Farming Systems

- Drone-based precision agriculture
- Smart sensor networks
- Cloud-based event and data management
- Smart analysis and planning



# Research & Innovation

## Horizon 2020 Projects



Secure and Private smArt gRid  
[www.spear2020.eu](http://www.spear2020.eu)



Artificial Intelligence-based Cybersecurity for Connected and Automated Vehicles  
[www.h2020caramel.eu](http://www.h2020caramel.eu)



Field -testing and demonstration of digital and space based technologies with agro-ecological and organic practices in systemic innovation  
[www.pestnu.eu](http://www.pestnu.eu)



SDN - microgrid reSilient Electrical eNergy SystEm  
[www.sdnmicrosense.eu](http://www.sdnmicrosense.eu)



A Cybersecurity Incident Handling Warning and Response System for the European Critical Infrastructures  
[www.cybersane-project.eu](http://www.cybersane-project.eu)



bEhavioral Insihts and Effective eNergy policy acTions  
[www.evident-h2020.eu](http://www.evident-h2020.eu)



Next-generation equipment tools and mission-critical strategies for First Responders  
[www.respond-a-project.eu](http://www.respond-a-project.eu)



nexT gEneRation sMART INterconnectEd IoT  
[www.terminet-h2020.eu](http://www.terminet-h2020.eu)



Demonstration of 5G solutions for SMART energy GRIDs of the future  
[www.smart5grid.eu](http://www.smart5grid.eu)



artificial Intelligence threat Reporting and Incident response System  
[www.iris-h2020.eu](http://www.iris-h2020.eu)



rEsilient and seLf-healed EleCTRical pOWer Nanogrid  
[www.electron-project.eu](http://www.electron-project.eu)

## Erasmus+ KA2 Projects



Smart faRming innOVatiOn Training  
[www.smartroot.eu](http://www.smartroot.eu)



promotiNg Cyber-hygiene in eDucation through sEcuring distANce lEarning  
[www.incidence-project.eu](http://www.incidence-project.eu)

# Tools & Innovative Solutions

## Software development



**SiVi© Tool**  
A human-interactive visual-based anomaly detection system capable of monitoring and promptly detecting several devastating forms of security attacks.



**SiHoneyPots© Tool**  
Complete security systems integrated into existing industrial infrastructures showing high-level interaction capable to mimic the behaviour of deployed real devices.



**AI4CI © Tool**  
Tailored to meet your organization's specific business needs. Powerful AI suite of customisable frameworks, tools and processes designed to help you effectively utilize AI's potential.



**SiPentest© Tool**  
A penetration testing suite capable to assess the cybersecurity of critical infrastructures by performing a series of pen tests by exporting the identified threats.



**SDN-INSIGHT© Tool**  
Create a highly scalable network by transforming customer experience offering programmable and on-demand network capabilities for higher performance.

# Collaborations

## Industry



## Research



## Academic







[www.sidroco.com](http://www.sidroco.com)

## NEXT GENERATION SOLUTIONS

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### Follow Us



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