



**ianus**  
consulting

# IANUS Profile

- SME based in Cyprus, founded in 2019
- What do we do?
  - Research - participating in the preparation of research proposals under the EU Framework Program for Research.
  - Consulting - Provide a wide range of consulting services focusing on the needs of both public agencies and organizations and private companies.
  - Training - Offer high-lever training experiences and e-Learning procedures, evaluation and courses to cover all your training needs.

# Related Projects (1/3)



[www.sancus-project.eu](http://www.sancus-project.eu)

## ***SANCUS/ H2020-SU-ICT-2019:***

*“Analysis software scheme of uniform statistical sampling, audit and defence processes”. IANUS is leading the development of a detailed plan for the project’s demonstrations incorporating the required preparation procedures for the use cases validation.*



[www.respond-a-project.eu](http://www.respond-a-project.eu)

## ***RESPOND-A/ H2020-SU-SEC-2019:***

*“Next-generation equipment tools and mission-critical strategies for First Responders”. IANUS is participating as a technical partner with our Incident Management Platform, MAESTRO, as well as leading one of the three pilots of the project.*

## Related Projects (2/3)



[www.secant-project.eu](http://www.secant-project.eu)

**SECANT/ H2020-SU-DS-2020:** “SECurity And privacy protectionN in Internet of Things devices”. IANUS is a major contributor for conducting cyber security risk assessment in connected ICT ecosystems.



[www.i-lead.eu](http://www.i-lead.eu)

**I-LEAD/H2020-SEC-2016-2017-1:** “Innovation - Law Enforcement Agencies Dialogue”. IANUS is leading Research and market scan of potential solutions for LEAs.



[www.cyclopes-project.eu/](http://www.cyclopes-project.eu/)

**CYCLOPES/ H2020-SU-SEC-2020:** “Fighting Cybercrime - Law Enforcement Practitioners’ Network”. IANUS will lead the innovation uptake recommendations for the project.

# Related Projects (3/3)

**STARLIGHT**

[Cordis Reference](#)

**STARLIGHT/ H2020-SU-AI-2020:** “Sustainable Autonomy and Resilience for LEAs using AI against High priority Threats”. IANUS is a major contributor for conducting threat-risk assessment of current and future LEA-supporting AI technologies.

**Anti-FinTer**

[Cordis Reference](#)

**Anti-FinTer/ ISFP-2020-AG-TERFIN :** “Versatile artificial intelligence Investigative technologies for revealing online cross-border financing activities of terrorism”. IANUS is leading the Communication and Dissemination Work Package as well as the development of the knowledge hub infrastructure.

# Forthcoming Projects (H2020)

A/A	ACRONYM	Description	Topic	Project ID
1	CEASEFIRE	Advanced versatile artificial intelligence technologies and interconnected crosssectoral fully-operational national focal points for combating illicit firearms trafficking	HORIZON-CL3-2021-FCT-01-10	101073876
2	FERMI	Fake nEws Risk Mitigator	HORIZON-CL3-2021-FCT-01-03	101073980
3	LAGO	LESSEN DATA ACCESS AND GOVERNANCE OBSTACLES	HORIZON-CL3-2021-FCT-01-04	101073951
4	ONELAB	Orchestrating next-generation mobile modular laboratories for pandemic monitoring preparedness	HORIZON-CL3-2021-DRS-01-05	101073924
5	SAFE-CITIES	riSk-based Approach For the protEction of public spaces in European CITIES	HORIZON-CL3-2021-FCT-01-07	101073945
6	TENACity	Travelling Intelligence Against Crime and Terrorism	HORIZON-CL3-2021-FCT-01-01	101074048
7	TENSOR	Reliable biomeTric tEhNologies to asSist Police authorities in cOmbating terrorism and oRganized crime	HORIZON-CL3-2021-FCT-01-05	101073920
8	2PS	Prevent & Protect Through Support	HORIZON-CL3-2021-FCT-01-11	101073949

## The SECANT platform is implementing:

- Collaborative threat intelligence collection, analysis and sharing
- Innovative risk analysis specifically designed for interconnected nodes of an industrial ecosystem
- Cutting-edge trust and accountability mechanisms for data protection and
- Security awareness training for more informed security choices

## Goals :

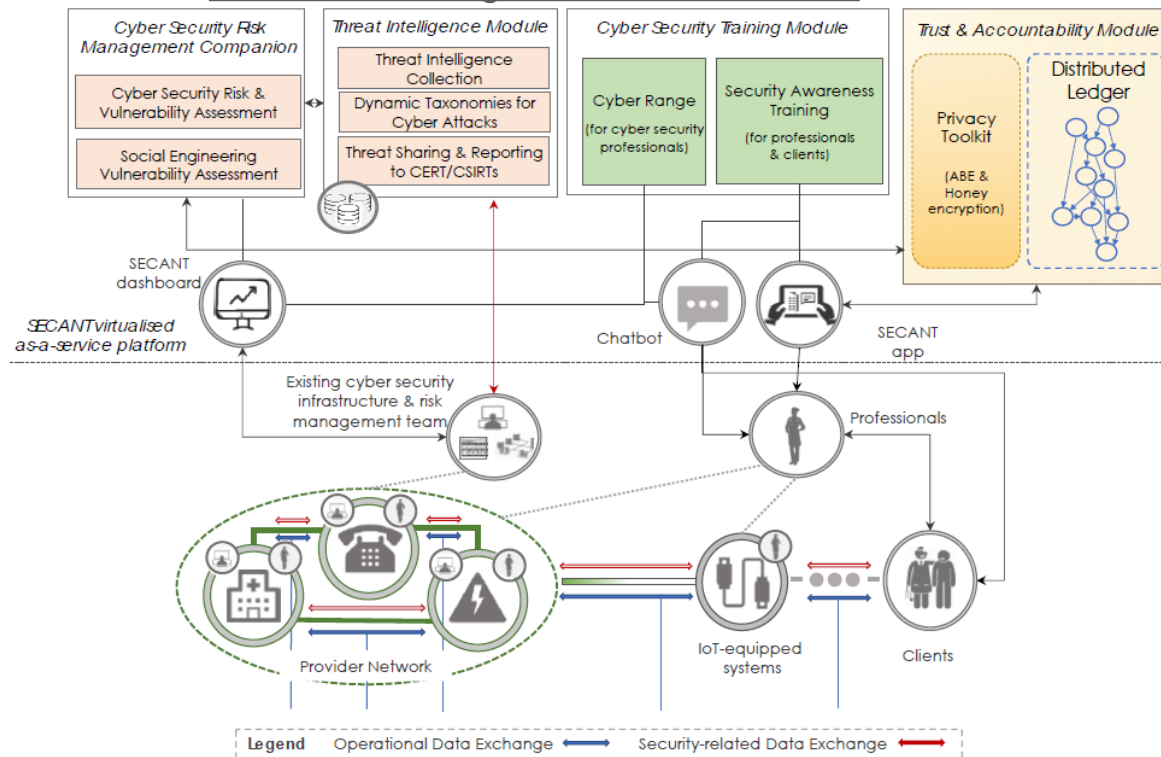
- Improving the readiness and resilience of the organisations against the crippling modern cyber-threats
- Increasing the privacy, data protection and accountability across the entire interconnected ICT ecosystem
- Reducing the costs for security training in the European market.

## Objectives:

- Design the architecture of a dynamic and highly flexible risk assessment platform for organizations based on user and technical requirements
- To design and implement a collaborative toolkit that allows the organization stakeholders and European CERTs/CSIRTs create and exchange dynamic vulnerability databases, as well as taxonomies for cyber-attacks targeting ICT systems, technologies, applications and services
- To design and implement a tailored data protection and multi-level accountability framework, relying on a distributed ledger system, that can establish trust, integrity and protect sensitive data
- To design and develop user interfacing applications and security training platforms with cyber range capabilities that can enable all stakeholders of the organizations' ecosystem to make smarter security decisions with training and simulated social engineering.



## The SECANT High – Level Architecture



## Motivation:

- F5 labs reported: 280% growth in attacks on IoT devices
- Need for privacy in healthcare sector as it heavily relies on interconnected IoT solutions.
- 92 security incidents in June 2020 resulted in 7 billion records being breached, many of them coming from healthcare infrastructures.
- IoT devices worldwide to reach 75.44 billion by 2025 → increased focus on securing them, especially for healthcare ecosystem

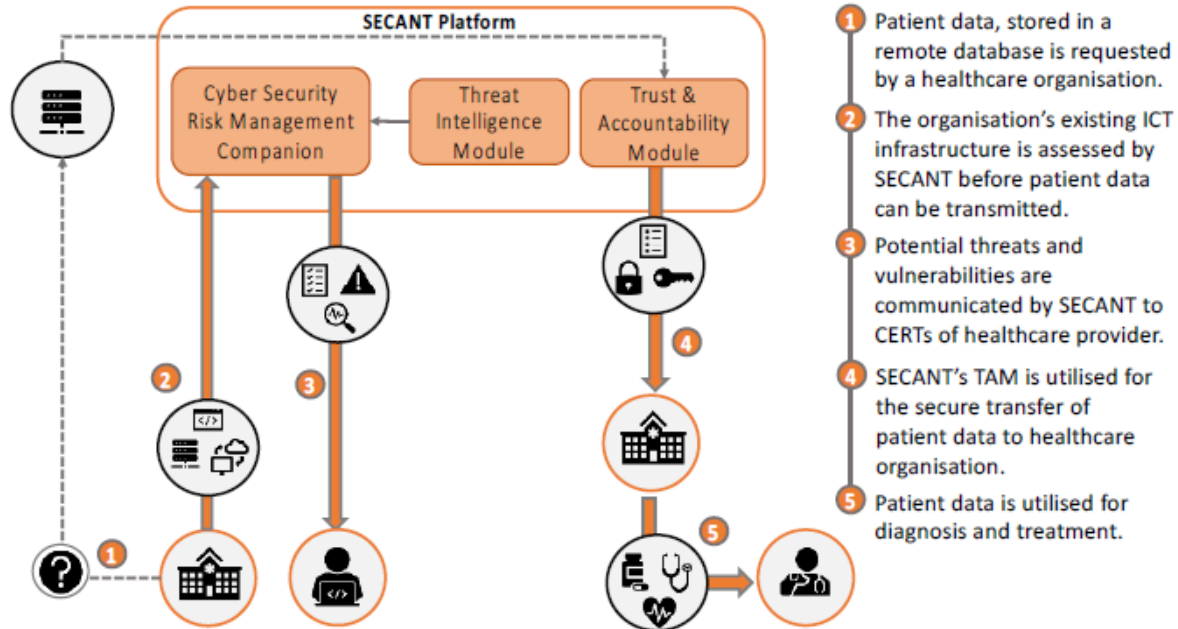


*SECANT proposed an automated threat detection platform addressed to CERTs/CSIRTs*



# SECANT

## Exchange of medical data through a dedicated VPN tunnel



## Challenges:

- Remote delivery in complex ICT infrastructures increase the cyber security breaches to a level that has not been experienced before.
- Exceptionally large volumes of data generated by IoT devices → impractical to monitor continuously for signs of compromise.
- Poor cyber security practices from organisations relying on complex ICT infrastructures
- Disproportional relationship of level of security awareness to the criticality of security breach in critical sectors.

## IANUS' role in SECANT :

- Dissemination of project results to relevant stakeholders and end-users via existing communications links.
- Will work towards the submission of related articles in the means of scientific papers and white papers especially based on the results within Requirements Analysis, Use Cases and Architecture Design( WP2), WP3 (Cyber Security Risk Assessment in Connected ICT Ecosystems and Dissemination, Communication and Exploitation of Results (WP8).
- Contribution in Cyber Security Risk Assessment in Connected ICT Ecosystems.
- Contribution in the definition of Use Cases and the functional and non-functional requirements definition.



*IANUS expects to augment and expand existing knowledge and experiences in the field of cyber security risk management from static to dynamic models.*

# Meet the team



## Founder & CEO

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## Security and Defense Expert

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