



Company Profile

Unbeatable Defense, Constant Assurance

Our Fields of Expertise

- Air Gap Technology
- Data Diode Technology
- Data Labeling (Classification)
- E-signature Based Solutions
- Customized Security Integrations

Products

- Virtual Air Gap (VAG)
- Mini VAG
- Data Labeling System (VEGS)
- E-SBSL

Who We Are?

Invicta was founded in 2008 by three academics from METU (Middle East Technical University). Since its inception, the company has exclusively designed products focused on data security.

Invicta is a technology firm developing high-security data transmission solutions with a focus on indigenous and national technologies. We position ourselves as a reliable solution partner in the fields of cybersecurity, data transfer, and system isolation, providing specialized solutions for the needs of critical infrastructures. With our expert team, we add value to projects of strategic importance.

Our Mission

To ensure the security of critical information infrastructures and to produce technologies aligned with national security priorities. Our mission is to contribute to our country's digital sovereignty by developing user-centric, sustainable solutions that meet the highest security standards.

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Why Invicta?

In an era where cyber threats and risks evolve with lightning speed, implementing high-tech cybersecurity measures is the only way to protect against and recover from severe damage. Invicta's VAG (Virtual Air Gap), developed through extensive and deep R&D, is unparalleled and vital for mission-critical organizations—particularly in the defense, security, finance, healthcare, and energy sectors. It enables high-security, real-time data exchange between internal networks containing sensitive information and internet-facing corporate networks.

Our Team

Invicta was founded in 2008 by Dr. Attila Özgüt, Dr. Onur Tolga Şehitoğlu, and Prof. Dr. M. Ufuk Çağlayan. Led by our founders with distinguished academic backgrounds, our R&D team—primarily composed of computer engineers—focuses exclusively on data security, developing high-security solutions tailored to the most critical needs of organizations.

Certificates

- Patents: Our VAG and MiniVAG products are protected by patents issued in the USA and Türkiye; ensuring that their unique technologies and innovative security approaches are provided as exclusive and registered solutions.
- EAL4+: VAG is a solution certified with Common Criteria EAL4+; guaranteeing that organizations utilize an independently verified, reliable system that meets the highest security requirements.

Our Products

VAG

VAG provides mission-critical data exchange between networks with peak security through its Common Criteria EAL4+ certified and dual-patented (USA and Türkiye) "Virtual Air Gap" technology. Featuring Linux-based internal and external servers, an IP-less shared memory architecture, integrated firewall, NIDS, and protocol filtering components, it delivers 7 Gbps throughput and 0.1 ms latency. It is an unparalleled, high-security solution for critical infrastructures and real-time services.

MiniVAG

MiniVAG offers secure data exchange with maximum isolation between networks using "Virtual Air Gap" technology. With its compact, Set-Top Box sized design, 1 Gbps bandwidth, and FPGA-based architecture, it provides all of VAG's security features—including bidirectional filtering, encryption, and signing—in a minimal footprint.

VEGS

As a NATO-compliant solution, VEGS enables secure labeling and sharing of classified documents between networks of different security classification levels. Through digital signatures, encryption, and XML security labels, data circulates only among authorized personnel; its microservices architecture and LDAP/Active Directory integration provide high security for critical organizations.

E-SBSL

E-SBSL protects corporate data with file signing, encryption, and PGP key management. It offers secure access via Gmail integration, authentication, and HTTP/S authorization APIs; it guarantees data confidentiality and integrity through a browser extension and VAG integration.

Our References

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