SUCCESS STORY

danube dynamics. APPLIED INTELLIGENCE

voidsy

Embedded Security:

Reliable Protection against Reverse Engineering & Manipulation

How voidsy protects innovations with Danube Dynamics.

The Challenge: protecting highly sensitive technologies.

In today's connected world, companies are under increasing pressure to effectively protect their electronic products against **reverse engineering, product piracy and cyber attacks**. Regulatory requirements such as the **Cyber Resilience Act and IEC 62443** also play a key role.

voidsy develops smart electronic devices that require comprehensive protection, both hardware- and software-based

It was crucial for the customer to be able to automatically detect attempts to tamper with the device in order to protect valuable intellectual property.

To prevent unauthorised access to the valuable software components, a robust embedded security concept was needed.

The Solution: A robust & comprehensive embedded security concept from Danube Dynamics.

Hardware Protection against Manipulation

Tamper detection recognises unauthorised access and triggers the security software - to provide reliable protection for your physical devices.

Software Security against Reverse Engineering.

Encrypted Firmware, obfuscation, secure boot and authentication – to protect against software access and manipulation.

Compliance with Legal Requirements.

Implementation was carried out in accordance with the Cyber Resilience Act (CRA) and other IT security standards – with a view to long-term compliance.

Sustainable and Scalable Security Strategy.

Thanks to scalable security architecture, future product generations are also protected and can be flexibly expanded.

The Result: reliably protected against reverse engineering & manipulation.

Thanks to its **successful collaboration** with Danube Dynamics, voidsy has been able to securely position its innovative product on the market **– reliably protected against reverse engineering and manipulation.**

This sustainable protection

- **strengthens customer confidence,**
- **secures technological leadership**
- **and creates long-term competitive advantages.**

Thanks to our in-depth embedded security expertise, voidsy is not only a technological leader, but also comprehensively protected and optimally prepared for future challenges.

⟶ Embedded Security Strategy

Successful collaboration and knowledge building

Intensive cooperation between voidsy and Danube Dynamics has resulted not only in the implementation of **a powerful security system,** but also in the development of **sustainable security expertise.**

Through targeted **knowledge transfer,** we empower our customers to develop security measures independently and **continuously optimise product protection.**

- **Reliable protection at hardware and software level.**
- **Compliance with legal requirements (Cyber Resilience Act, IT standards)**
- **Sustainable knowledge building & scalable security strategy.**

"In Danube Dynamics, we have found a partner that not only provides excellent embedded security concepts and solutions, but also gives us long-term support in making our technologies secure and competitive in the long run."

Dr. Holger Plasser I CEO, voidsy gmbh

voidsy

voidsy GmbH develops imaging inspection systems for the non-destructive analysis of fibre composites, setting new standards in quality assurance with its patented thermography technology, particularly in the aviation and automotive industries. The 3D V-ROX system allows internal defects to be detected quickly and contactlessly during production.

⟶ www.voidsy.com

danube dynamics.
APPLIED INTELLIGENCE

Danube Dynamics is a technology company based in Linz that has specialised in intelligent embedded system solutions for industry since 2020. Its focus is on combining software, AI and electronics to drive efficient and future-proof automation and digitalisation through "AI at the Edge".

⟶ www.danube-dynamics.at