



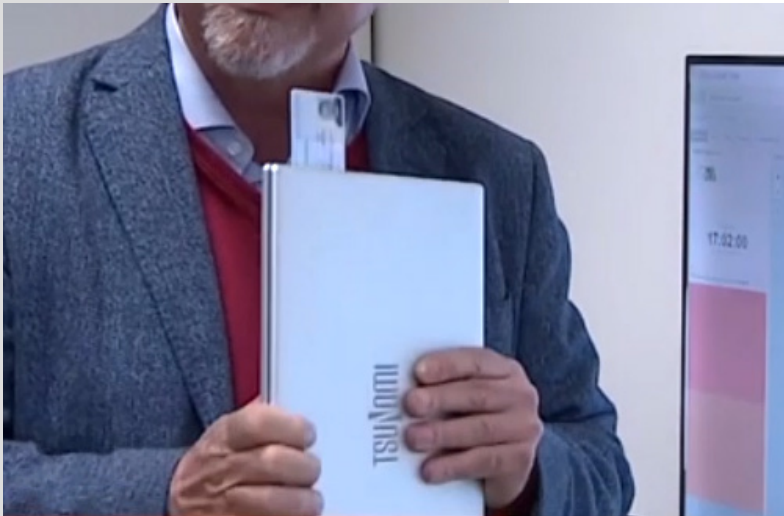
Case Study

DIGITAL TRANSFORMATION IN ELECTORAL PROCESSES

This project was made possible through a strategic collaboration between Tsunami and key partners, including SGMAI, Altice, Bravantic, Intel, and Microsoft.

The **Tsunami** brand, in collaboration with key partners, led a groundbreaking initiative to modernize Portugal's electoral process. This project involved equipping 308 municipalities with 29,000 customized devices, making it the first entirely digital electoral census in the country. The focus was on efficiency, security, and sustainability.





THE CHALLENGE

The complexity of the project posed significant challenges:

Configuring and delivering **29,000 devices** with specific requirements, such as integrated Smartcard readers and customized software, to **308 municipalities** across mainland Portugal and the islands.

Ensuring data security to prevent fraud and safeguard electoral integrity.

Coordinating nationwide logistics to guarantee timely delivery and reliable tracking.

THE SOLUTION

Tsunami's **strategic approach** addressed these challenges with a tailored solution:

1

Reliable Equipment

The **Tsunami PC Bolt W504**, featuring long-lasting batteries, a 3-year warranty, and integrated Smartcard readers, provided robust performance.

2

Advanced Logistics Management

Each device was assigned a unique identification, **enabling precise tracking**, while Altice ensured efficient nationwide deliveries.

3

Proactive Technical Support

A Network Operations Center (NOC) was established to provide **real-time assistance**, minimizing downtime and resolving issues promptly.

THE RESULTS

The **impact of this initiative** was transformative, delivering measurable outcomes:



Limited tracking of voting equipment



Devices with unique identification and full traceability.

Security

Devices were fully traceable, eliminating risks of fraud or manipulation.



Manual voting processes with extensive paper usage.



Fully digitalized voting process, eliminating paper.

Sustainability

The digital solution significantly reduced paper consumption, aligning with environmental goals.



Voting limited to registered polling stations.



Voting allowed anywhere in Portugal, reducing abstention to 62.5% – the lowest in 20 years.

Impact

The modernization allowed voters to cast their ballots at any polling station in the country.



CONCLUSION

This case study demonstrates **Tsunami's** ability to lead complex national projects, leveraging technology to deliver **sustainable, reliable, and innovative** solutions.

By partnering with industry leaders and focusing on client-specific needs, **Tsunami** continues to redefine technological excellence.