



# CHRISS PROJECT

Development and demonstration of an advanced EGNSS based timing distribution and synchronisation solution.

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## THE PROBLEM

Critical infrastructure typically uses GNSS-based time reference to function properly. Especially emerging telecommunications applications such as 5G or Time Division Duplex require highly accurate and secure timing distribution. But GNSS are vulnerable to external interference, making security a critical issue for networks.

## THE SECTORS



Energy



Finance



Telecommunication

## THE SOLUTION

**CHRISS timing and synchronisation device for critical infrastructure with the following parameters:**

- **RESILIENCE** against interference, jamming and spoofing
- **AVAILABILITY** increase resulting from advanced interference detection and mitigation
- **ACCURACY** enhancement using a high precision time distribution protocol on nanosecond level
- **SECURITY** improvements based on blockchain built-in mechanisms

## PARTNERS & CONTACT



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