CLEPSYDRA

NEWSLETTER

How can Europe guarantee trusted, resilient, and certified timing for its critical infrastructures?

CLEPSYDRA tackles this challenge by developing a new generation of Galileo-based timing receivers, engineered to provide secure and robust synchronization services fully compliant with European standards.
Funded by EUSPA and developed by a consortium including Thales Alenia Space, PikTime Systems, Elproma Electronics, GEA Space s.r.o., and Business Integration Partners (BIP), the project aims to enhance the reliability of time-dependent operations across key sectors.

ELPROMA

ThalesAlenia Space
a Thales / Leonardo company

PIK TIME SYSTEMS

bip.

GEA space

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Why is it so important to protect “time”?

Time is not just a measurement: it is a fundamental coordinate for the functioning of modern systems. A synchronization error can have real consequences, such as power outages, mistakes in financial transactions, or disruptions in telecommunications networks.

CLEPSYDRA’s answer

The project introduces advanced solutions to make time more reliable, even in critical conditions:

- increased resilience against jamming and spoofing
- signal authentication (e.g., OSNMA)
- the ability to maintain synchronization even during temporary GNSS signal loss

In this way, time becomes a secure, certified, and continuous resource, capable of supporting the infrastructures on which our daily lives depend.

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ARE YOU AN INTERESTED STAKEHOLDER IN THIS INITIATIVE?

Help Clepsydra gather key market insights by completing the questionnaire and contributing valuable information.

Fill in this form to get involved in shaping the product with your ideas.

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