



CLEPSYDRA

# NEWSLETTER

In real-world systems, perfect simultaneity is not achievable.

Even when two actions are triggered “at the same time,” a residual delay always remains due to:

- network latency and jitter
- clock drift and calibration errors
- sensor and processing delays
- signal propagation (distance matters)

This gap is scientifically known as temporal offset (or time skew), and it can never be eliminated, only measured, estimated, and reduced.

Reducing the temporal offset is what enables reliable synchronization: the smaller the gap, the higher the consistency, coordination, and trust in distributed systems

**CLEPSYDRA minimizes temporal offset, enabling near-real-time event alignment across distributed devices, systems, and locations.**



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# WHAT HAPPENED

CLEPSYDRA continues to advance its work on secure and resilient timing solutions for critical and urban infrastructures. As part of this progress, CLEPSYDRA has reached the **System Requirements Review (SRR)** milestone, an essential step to assess whether platform and user level requirements are defined and aligned with project objectives and stakeholder needs.

This SRR outcome provides a solid baseline for the upcoming design and development activities, supporting CLEPSYDRA's mission to strengthen trusted timing and service continuity in complex operational environments. More updates will follow in the coming months.

## SRR MEETING – BUILDING TOGETHER



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## ARE YOU AN INTERESTED STAKEHOLDER IN THIS INITIATIVE?

Fill in this form to be contacted by our team and get involved in shaping the project with your ideas.



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