Epsilon	2026	RESIGHT – Reimagining Evidence-led Stress-testing of Infrastructure through Governed Human-centred Tasks						
	Country	**Contract value (€)**	**% by Epsilon**	**Staff # provided**	**Client**	**Origin of funding**	**Date (start/end)**	**Consortium Members**
	Malta	**4,751,810** (EU grant, lump sum)	**8.0%** (€381,500)	2 (72 PM)	European Commission (REA)	Horizon Europe, Cluster 3 (HORIZON-IA)	36 months (proposal 2026)	UoS (UK, Coord.), UESSEX (UK), i2CAT (ES), VU (LT), NKUA (EL), EPSILON (MT), iED (EL), ASRO (RO), HPA (EL), BCNPI (ES), THPA (EL), PORTIC (ES)

The Project (2026)

Call: HORIZON-CL3-2026-01-INFRA-01 – Tools and processes to support stress tests of critical infrastructure (Innovation Action, Lump Sum; proposal no. 101405581).

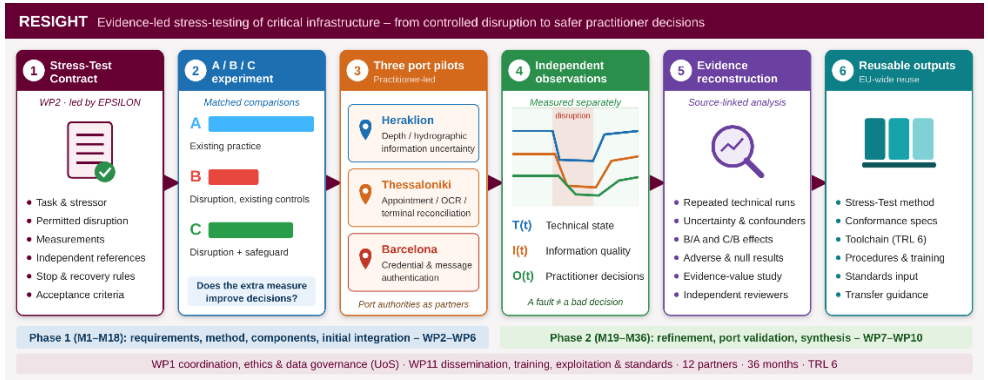
Challenge: Critical infrastructures can keep operating while giving staff late, incomplete or misleading information. Conventional stress tests reveal system failures but not whether practitioners can still make safe decisions, or whether an added safeguard actually helps.

Objective: RESIGHT develops and validates an integrated stress-test and evidence toolchain, governed by one practitioner **Stress-Test Contract** per site, defining the task, permitted disruption, measurements, independent references, safeguards, stopping rules and acceptance criteria. Technical state T(t), information quality I(t) and practitioner decisions O(t) are assessed separately.

Method: At each port, existing practice (A) is compared with an authorised impairment under existing controls (B) and a matched impairment with an additional verification, mitigation or recovery measure (C). Independent references, repeated runs and source-linked evidence reconstruction support B/A and C/B comparisons, including uncertainty and adverse or inconclusive outcomes; an evidence-value study tests whether the evidence improves independent reviewers' judgements.

Pilots: Heraklion – hydrographic/depth-information uncertainty; Thessaloniki – appointment/OCR/container-terminal reconciliation; Barcelona – credential, user-role and message authentication in an isolated synthetic port-call exchange. The integrated toolchain targets **TRL 6**.

Outputs: reusable Stress-Test Contract, public method and conformance specifications, practitioner-reviewed procedures and training, standards inputs (CEN-CENELEC) and guidance on transfer to other European critical infrastructures. 12 partners, 6 countries, 11 WPs, 36 months.



Services to be provided by EPSILON

EPSILON (Partner 6, Hellenic Branch) contributes **72 PM** (~8% of the grant) and leads the methodological and architectural core of the project.

WP2 Leader – Practitioner requirements, Stress-Test Contract & system architecture (M1–M18; 86.87 PM, 29.5 PM by EPSILON):

- **T2.2 Lead:** common Stress-Test Contract and experimental A/B/C methodology – T/I/O measurements, provenance, uncertainty, stopping/rollback and practitioner acceptance procedures.
- **T2.3 Lead:** functional system architecture and interface specification – component responsibilities, evidence flows, security boundaries, conformance criteria.
- **T2.4 Lead:** dependency mapping and reproducible scenario configurations using geospatial modelling, simulation/replay and Copernicus/Galileo-EGNOS inputs.
- **D2.2** Stress-Test Contract, method & architecture (M16); **D2.3** dependency maps & scenario configurations (M18).

T10.2 Lead – Scenario refinement, dependency modelling & deployment preparation (M19–M26) for the three ports (16.75 PM in WP10).

T9.4 – Modelling uncertainty & transferability: characterises modelling uncertainty and applicability limits of the scenarios.

Result R1 coordinator: maintains the reusable Stress-Test Contract method package and the WP2 asset/rights inventory.

Further contributions: ethics, security, data & IP governance (T1.2); instrumentation (WP3); assessment methods (WP4); analytics (WP5); platform integration & refinement (WP6/WP7); practitioner validation (WP8); dissemination & exploitation (WP11).

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