

TRUSTY

Trustworthy
intelligent system
for remote digital tower



The TRUSTY project's main aim is to investigate the trustworthiness, transparency and comprehensibility of AI when in support of critical tasks, within the context of the Remote Digital Tower (RDT) environment. Furthermore it aims to drive this knowledge into the design and acceptance of AI in this environment and to prototype the provision of a dependable and trustworthy source of decision support.

OBJECTIVES



SCIENTIFIC, INNOVATION, and RESEARCH OBJECTIVES

Provide a conceptual framework for building a trustworthy intelligent system.



TECHNOLOGICAL OBJECTIVES

Design and develop robust and resilient MML models, by using behavioural and neurophysiological measures.



IMPACT AND SOCIETAL OBJECTIVES

Improve the transition process towards the use of RDTs through transparent and explainable systems.



SUPPORTED BY
sesar
JOINT UNDERTAKING



This project has received funding from the SESAR 3 Joint Undertaking under grant agreement No 101114838 under European Union's Horizon Europe research and innovation programme.



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PHASE 1

Develop a road-map towards the realisation of a relevant use-case, characterised by the needs and requirements of ATCs to build trust towards novel Explainable AI-support, in RDTs.

PHASE 2

Development Cycles include investigation into data driven AI modelling, transparency, visualisation, explanation, fairness, accountability, and adaptation framework.

PHASE 3

Validation tests conducted in a series of cycles for the explainable AI/ML algorithms progressing to testing with users in ATM-representative test facilities.

PHASE 4

Impact assessment. Validated results will be integrated and analysed to better understand the impact of the project and exploit the findings properly.

