



University of Rijeka, Faculty of Maritime studies

PROJECT ACRONYM AND TITLE: Affective-cognitive platform for adaptive learning (ACTutor) and simulation training (ACTrainer) with ACInsight SDK base technology

FUNDING PROGRAMME: IRI S3 - Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja

PERSON RESPONSIBLE: izv. prof. dr. sc. Dario Ogrizović

FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
1.904.735,93 €	158 500,00 €

SUMMARY

Today's adaptive learning and professional training systems face a fundamental limitation - they monitor only cognitive metrics such as accuracy of answers and time to solve tasks, while completely ignoring the affective dimension of learning. This gap is particularly problematic because scientific research clearly shows that affective factors such as motivation, frustration, boredom or anxiety significantly affect knowledge retention and learning success.

The goal of the project is to develop affective-cognitive AI technology that, for the first time, enables objective, continuous monitoring and automatic adaptation of the learning and training process in real time. The solution will be implemented through 3 specialized products:

- ACInsight SDK as a common technological core and also a standalone SDK product
- ACTutor as a vertical plug-in for adaptive e-learning,
- ACTrainer as a vertical plug-in for simulation training in professional environments

Start date	End date
01.04.2026.	01.04.2029.

PARTNERSTVO

Br.	Partner organization	Country	Role
1.	Visage Technologies društvo s ograničenom odgovornošću za usluge	Croatia	Vodeći partner
2.	Sveučilište u Zagrebu, Filozofski fakultet	Croatia	Partner
3.	Sveučilište u Rijeci, Pomorski fakultet	Croatia	Partner

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ADDITIONAL INFO:

PFRI project team members:

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- Matej Šuper