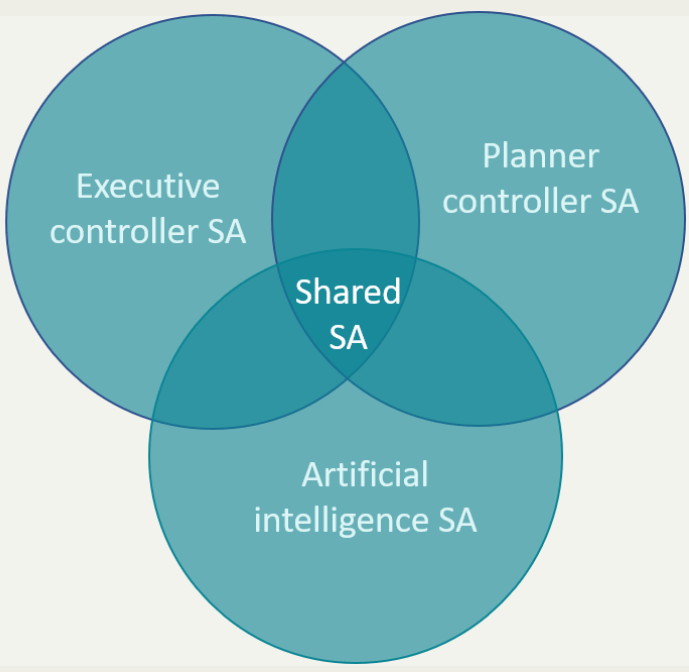
AI SA

AI Situational Awareness Foundation for Advancing Automation

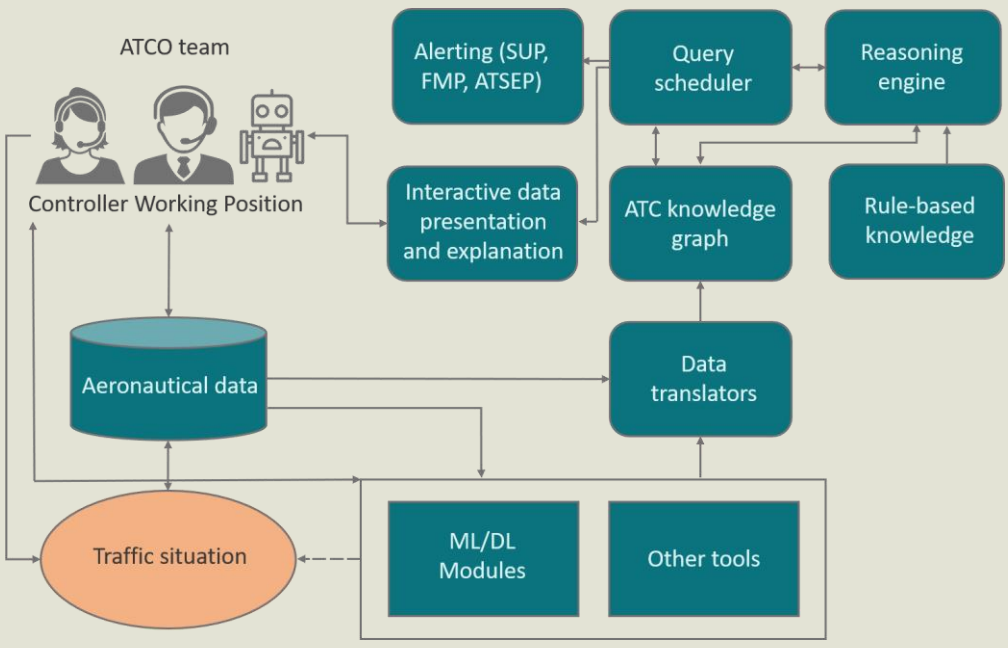
What is the foundation for advanced automation in air traffic control?

It is not only humans who can form a team with shared team situational awareness. A prerequisite for the implementation of advanced automation concepts is that artificial intelligence and human can share the situational awareness. Exploring the effect of, and opportunities for, distributed human-machine situational awareness in en-route operations is one of the main objectives of this project.



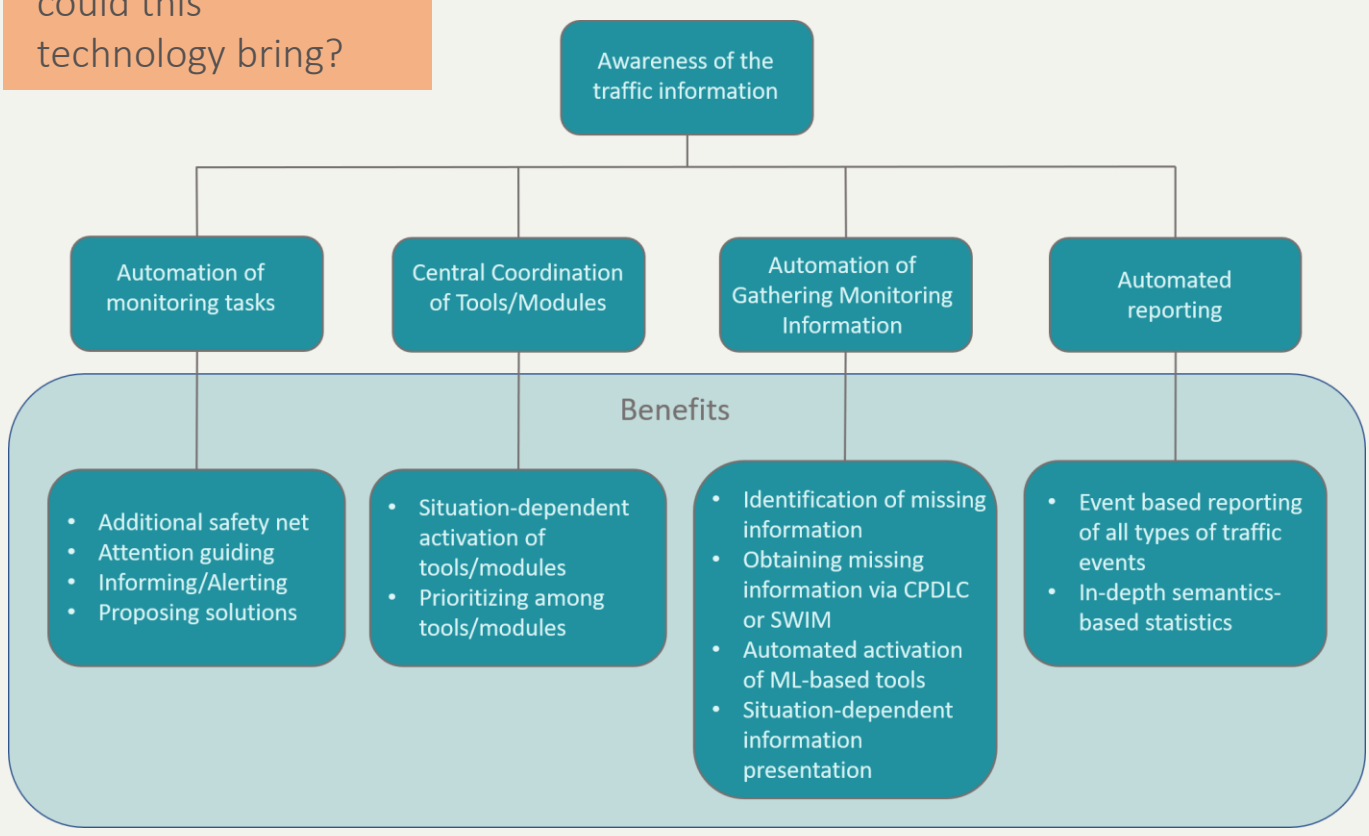
AISA will consist of both human and machine actors that will be working together as a team and share a team situational awareness.

How will AI situational awareness be achieved?



A machine learning module is going to be used for prediction, estimation and filtering, while the reasoning engine is going to represent knowledge and draw conclusions based on all the available data. The challenges of transparency and generalization are going to be solved by combining machine learning with reasoning engine

What benefits could this technology bring?



Contact details
aisa-project.eu
tradisic@fpz.unizg.hr

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