

### SMAUT



#### Realistic Al solutions for mobile robotic systems

Al-MATTERS/TEF cooperation with Czech technology company SMAUT Technology







CZECH INSTITUTE OF INFORMATICS ROBOTICS AND CYBERNETICS CTU IN PRAGUE

Services focused on innovation with Al in industry





RICAIP TESTBED PRAGUE Infrastructure, research, and development for innovation in industry

Services focused on digitizing the public sector and small enterprises



NATIONAL CENTRE FOR INDUSTRY 4.0 Connecting academia and industrial companies

# Services and technologies of Czech testbeds



85-100% discount

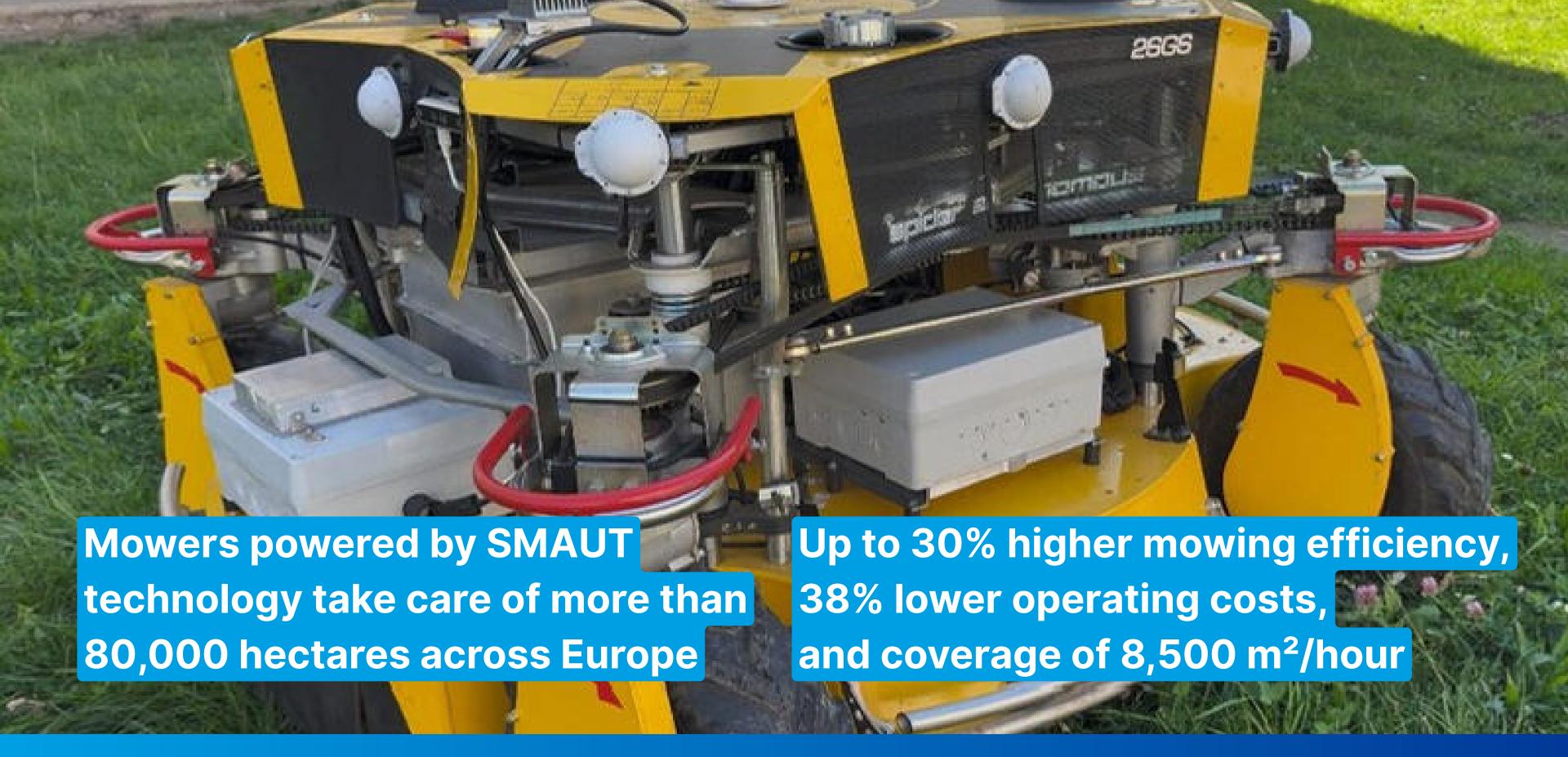






**BRNO** 





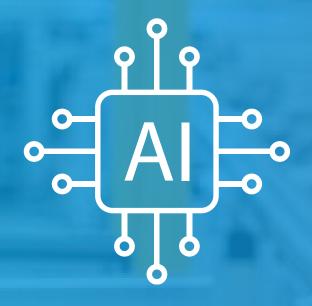
SMAUT

Leader in autonomous mowing technology specializing in green space and terrain maintenance

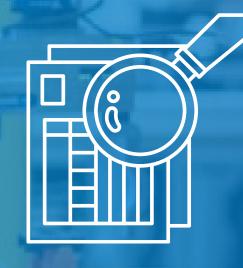


## What are the services provided by AI-MATTERS/TEF?

Prototyping, testing, verification, and validation of systems with AI elements



Prototyping and testing of artificial intelligence systems



Testing in real-world environments



Automatic route planning and behavior optimization



Dynamic real-time map generation



Robust protection against cyber attacks



- State-of-the-art CIIRC CTU workplace using local technological components
- Prototyping, validation, and simulation

Sales, assurption, last, relax to the

name press of the other and revillal seption

- Sensor integration and data fusion: LiDAR, cameras, radar
- Mapping and autonomous navigation
- Visual Language Models for obstacle detection
- Dynamic map updates based on real-time conditions





Outcomes

"From testing to real-world deployment"



### SMAUT



CZECH INSTITUTE
OF INFORMATICS
ROBOTICS AND
CYBERNETICS
CTU IN PRAGUE







cz.ai-matters.eu

smaut.tech

ciirc.cvut.cz



Co-funded by the European Union



Funded by the European Union NextGenerationEU



