

BadB

GNSS-free navigation and geolocation of objects based on satellite imagery maps and other sensor data.

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:

Development actions dedicated to SMEs

TOPIC TITLE:

Non-thematic development actions by SMEs

DURATION OF THE PROJECT:

24 months

TYPE(S) OF ACTIVITIES:

Studies, Design, System prototyping, Testing

ESTIMATED TOTAL COST:

€ 6,043,206.20

MAXIMUM EU CONTRIBUTION :

€ 5,769,564.00



SHORT DESCRIPTION OF THE PROJECT:

BadB will develop improved navigation solutions for land and aerial vehicles by employing state-of-the-art machine vision algorithms.

BadB will focus on navigation solutions for land and aerial vehicles without relying on global navigation satellite systems (GNSS). This will be achieved by using satellite maps data and machine vision algorithms to determine the position of the vehicle. Specific objectives include the development of weather independent up-to-date satellite imagery maps for unmanned aerial and ground vehicles, development of a machine vision module, an image recognition system and development of a path planning system, based on sensor data, cross-platform data sharing and swarming.

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**Members of the consortium and
country of establishment:**

 NAME OF THE ENTITY	 COUNTRY
KrattWorks OÜ (Coordinator)	Estonia
GIM OY	Finland
KappaZeta OÜ	Estonia
RIGR AI LIMITED	Ireland

