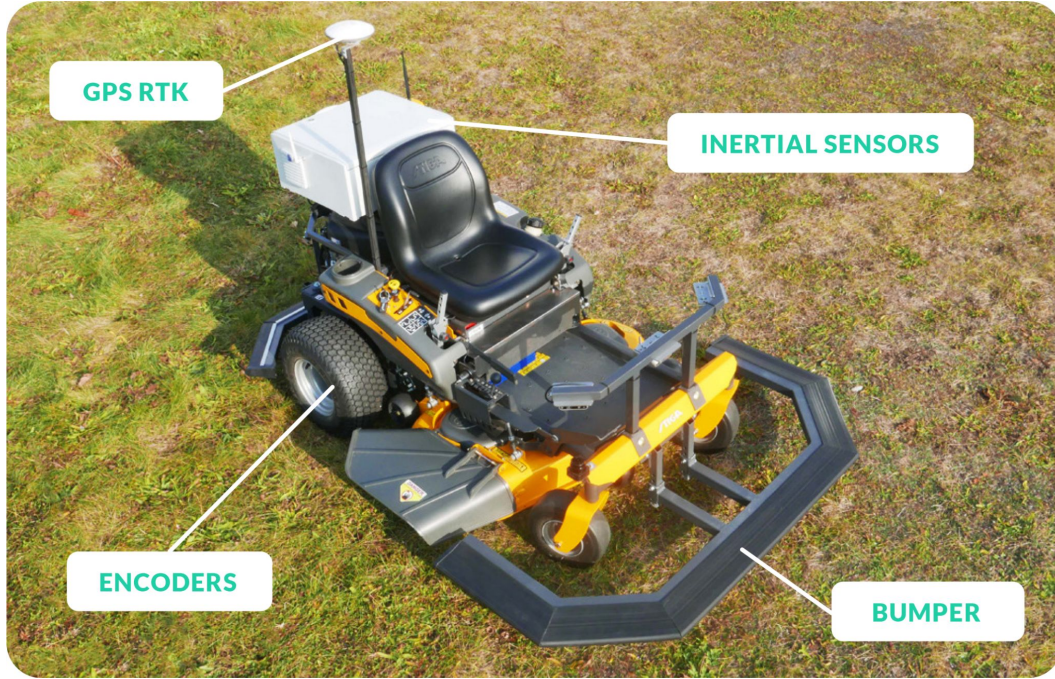


A green autonomous lawn mower is shown from a high-angle perspective on a grassy field. The mower has a large, flat, rectangular cutting deck with a central blade. It features a black seat, a control panel, and a large rear wheel. The entire scene is overlaid with a semi-transparent green filter.

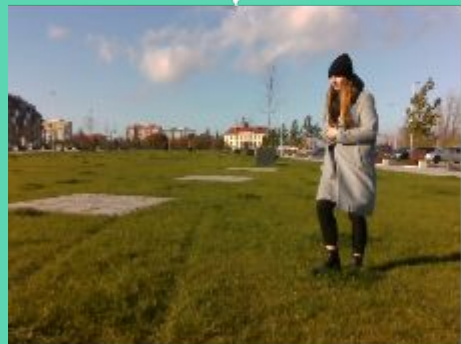
UNITEM mower

Autonomous Lawn Mower For Industrial Applications

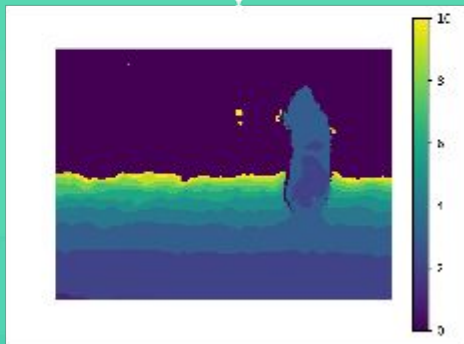
Unitem Autonomous Mower



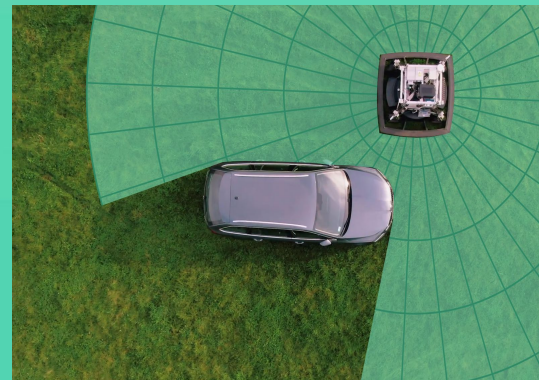
How It Works - Obstacle Detection



RGB image



Depth map



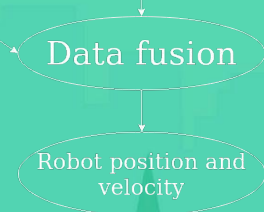
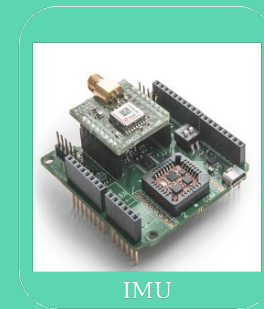
Lidar image

How It Works - Localization

Sensor fusion to ensure robustness in harsh environments:

- wheel slip,
- electromagnetic noise,
- GPS fix loss.

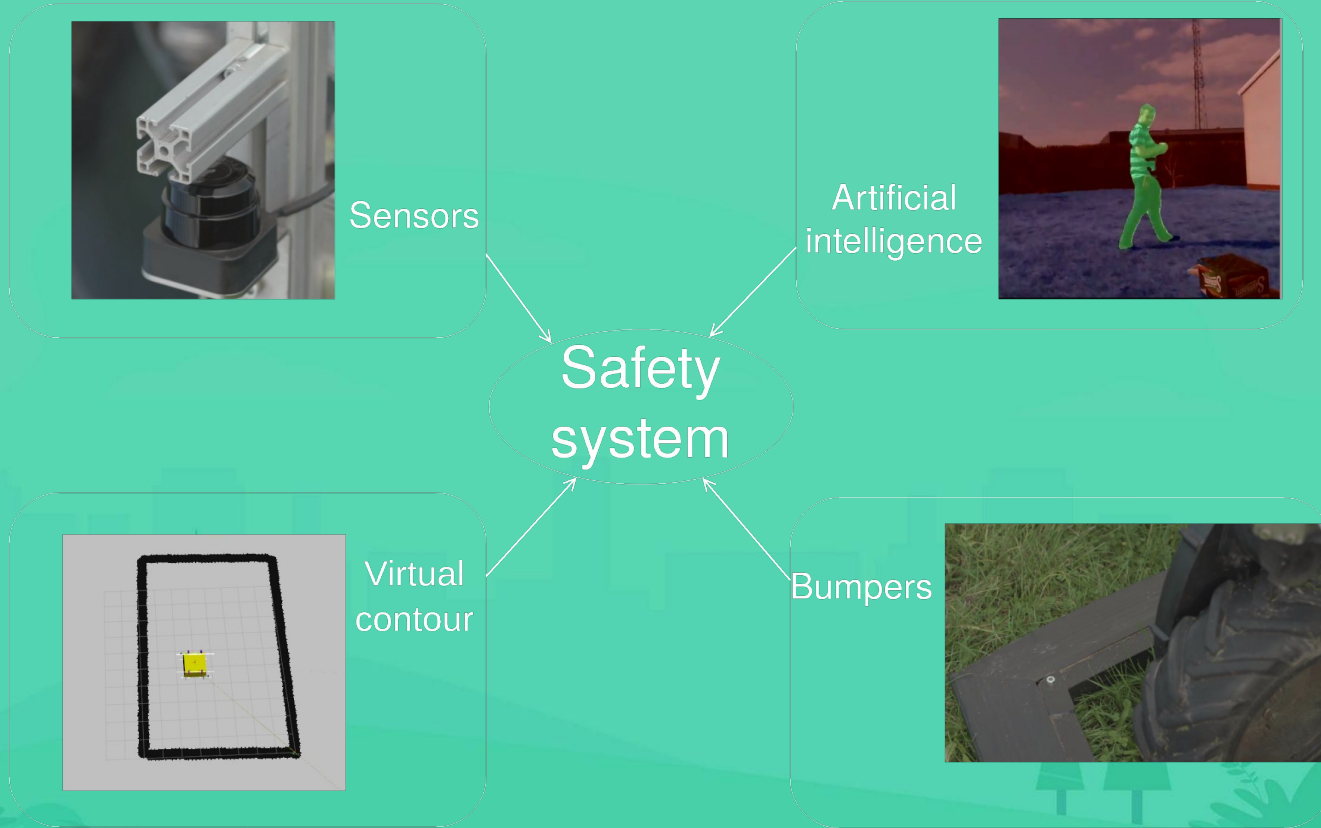
As other parts of the system, localization module is portable and can be applied to various types of mobile platforms (from differential to synchro drives).



How It Works - Path Planning And Mowing



How It Works - Safety



How It Works - Mowing

