



MARKING AID SYSTEM BY DRONE

High-precision positioning method for ground marking

Technological benefits

Accurate positioning

Centimeter positioning.

Use of a high-precision GPS system or interior location system.

Automatic tracking of a flight plan.

Reduces calculation errors.

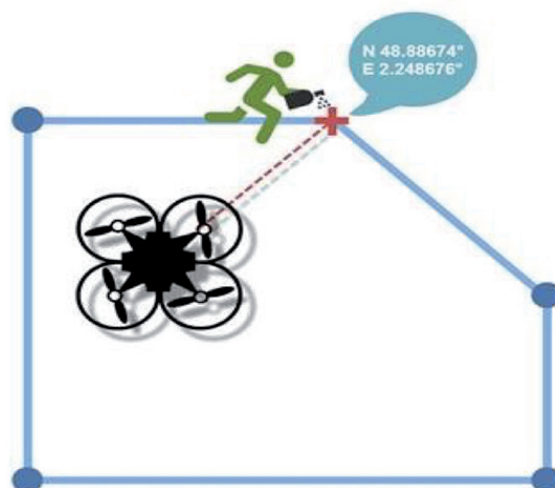
Reduces measurement uncertainties.

Simple implementation

No ground reference required to align.

Projection of a ground laser for manual marking.

Projection of marking to reach difficult areas, including at an angle.



Invention overview

The invention relates to the field of ground marking. A drone is used as a marker object. It is able to direct itself automatically with a flight plan, thanks to a high-precision GPS system or an interior location system. This system allows to illuminate a point on the ground precisely through a laser, or to trace the necessary ground markings.

Potential applications

Foundations of the building, construction domain, drone, UAV, unmanned aerial vehicles, accurate positioning, optical beams, laser, roads, etc.

Commercial benefits

Time saving

Plotting is done simply on software.

Running the fastest route.

Intervention faster than the surveyor.

Economic

Avoid miscalculations.

Reduce measurement uncertainties.

TRL : 4

Patented invention, available under license