

## Document information

Document: Release notes MapEO  
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### General:

Users who have implemented the API to retrieve a list of available products within the get\_regions API should review the newly available product properties.

## MAPEO FIELD SOFTWARE

None

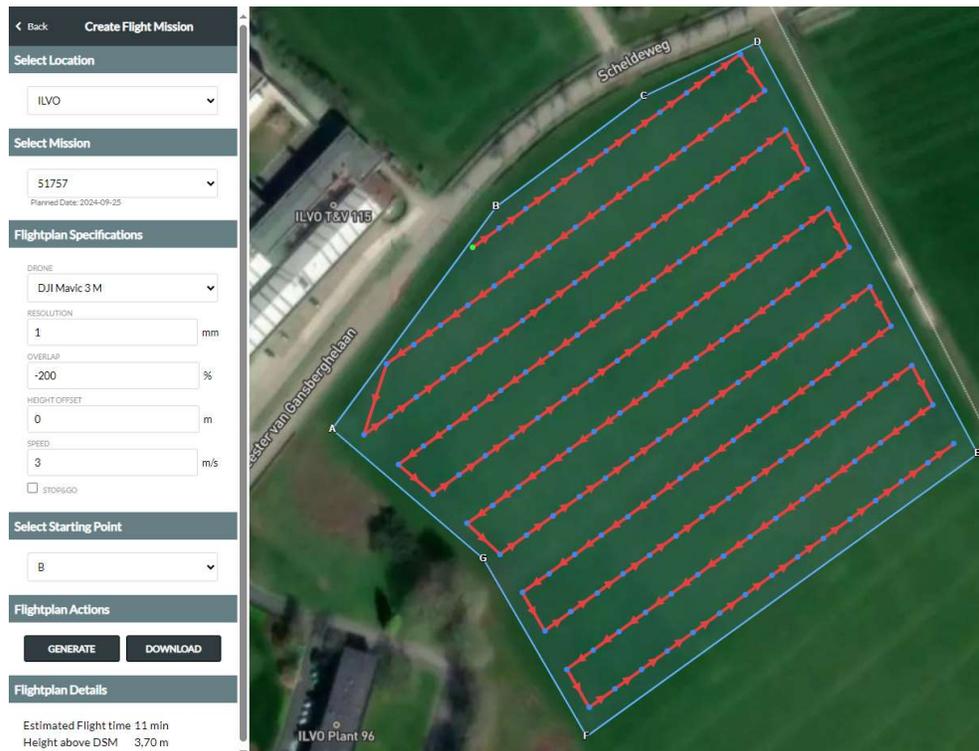
## MAPEO APPLICATION

### 2025.04.01: Thermal processing support for M3T, ZH20T sensors

MAPEO Thermal processing now also provides support for popular sensors such as DJI Mavic 3 Thermal and Zenmuse H20T.

### 2025.04.02: Automated mission planning for drone sampling

Drone sampling, our concept to plan very high resolution flights with standard sensors, requires a smart mission planning to be performed. We now release a web tool to automate the creation drone planning files for such flights. In this version we support the precision agriculture use-case which is based on overlap ranges from +50 to -500% overlap. The tool currently only support mission in the region of Flanders.



The screenshot displays the 'Create Flight Mission' web application interface. The left sidebar contains the following sections:

- Select Location:** A dropdown menu showing 'ILVO'.
- Select Mission:** A dropdown menu showing 'S1757' with a subtext 'Planned Date: 2024-09-25'.
- Flightplan Specifications:**
  - DRONE:** A dropdown menu showing 'DJI Mavic 3 M'.
  - RESOLUTION:** A text input field with '1' and 'mm'.
  - OVERLAP:** A text input field with '-200' and '%'.
  - HEIGHT OFFSET:** A text input field with '0' and 'm'.
  - SPEED:** A text input field with '3' and 'm/s'.
  - STOPGGO
- Select Starting Point:** A dropdown menu showing 'B'.
- Flightplan Actions:** Two buttons: 'GENERATE' and 'DOWNLOAD'.
- Flightplan Details:**
  - Estimated Flight time 11 min
  - Height above DSM 3,70 m

The main map area shows an aerial view of a field with a blue flight path overlaid. The path consists of several parallel lines with red and blue markers. The field is bounded by a blue line with vertices labeled A, B, C, D, E, F, G. Surrounding roads are labeled 'Scheideweg' and 'Water van Gansbergheleem'. Landmarks are labeled 'ILVO T&V 115' and 'ILVO Plant 96'.

### 2025.04.03: Enable upload of GCPs for pilots

Users with a pilot account can now also upload GCPs. The functionality is identical to the GCP upload for admin users, but can now be performed by pilots.



### 2025.04.04: Rollout of AI GCP selection

We have deployed an AI solution that automates 80-90% of our GCP selection process. Human evaluators are still involved to validate the quality of the GCP selection. This will now be rolled out for all RGB drone missions.

### 2025.04.05: Add “manual” as a mission status

We have introduced a new mission status “manual”, indicating a human evaluation or labelling step such as manual GCP selection or AI labelling.

## MAPEO API

### 2025.04.06: Including product\_completion\_time in the get\_regions API.

When querying the regions endpoint, product layers in the response will now return a product\_completion\_time. This allows users of the API to filter on new versions of the product which can happen due to reprocessing. To do this, user should start logging the product completion time and query for potential updates. The updated API can be found here: [http://uavpc-dev-swaggerbucket-pub.s3-website-eu-west-1.amazonaws.com/?urls.primaryName=uavpc\\_prod\\_api\\_pub#/](http://uavpc-dev-swaggerbucket-pub.s3-website-eu-west-1.amazonaws.com/?urls.primaryName=uavpc_prod_api_pub#/)

## Contact information

<https://support.mapeo.be/>

