



DESIGN OF
A FLIGHT MISSION
FOR HISTORIC GARDEN
AT VILLA GARZONI

Piloting Activity Group 1

Alexandre Baron

Michele Nuti

Suan Natali

Collodi, November 19th-24th, 2023



Co-funded by the
Erasmus+ Programme
of the European Union

Proj. no: 2022-1-IT02-KA210-ADU-000083100





WHY ARE WE DOING THIS ACTIVITY?



OUR GOAL IS TO TEST THE WAY TO USE THE DIGITAL SKILLS OF THE ONLINE COURSE TO CREATE AN AUTOMATED FLIGHT MISSION TO MONITOR CHANGES OF THE GARDEN OVER A EXTENSIVE AREA, TO BE RUN ONCE A WEEK, OR WHENEVER NEEDED.



HOW WE DID IT?

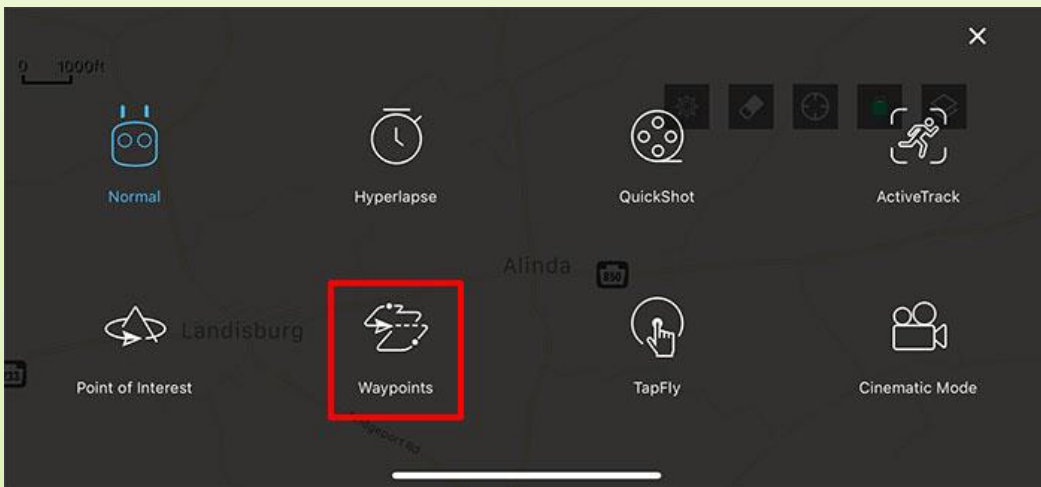


-WE PREPARED A MISSION, DIRECTLY WITH THE COMMANDER SOFTWARE OR WITH EXTERNAL APPS.

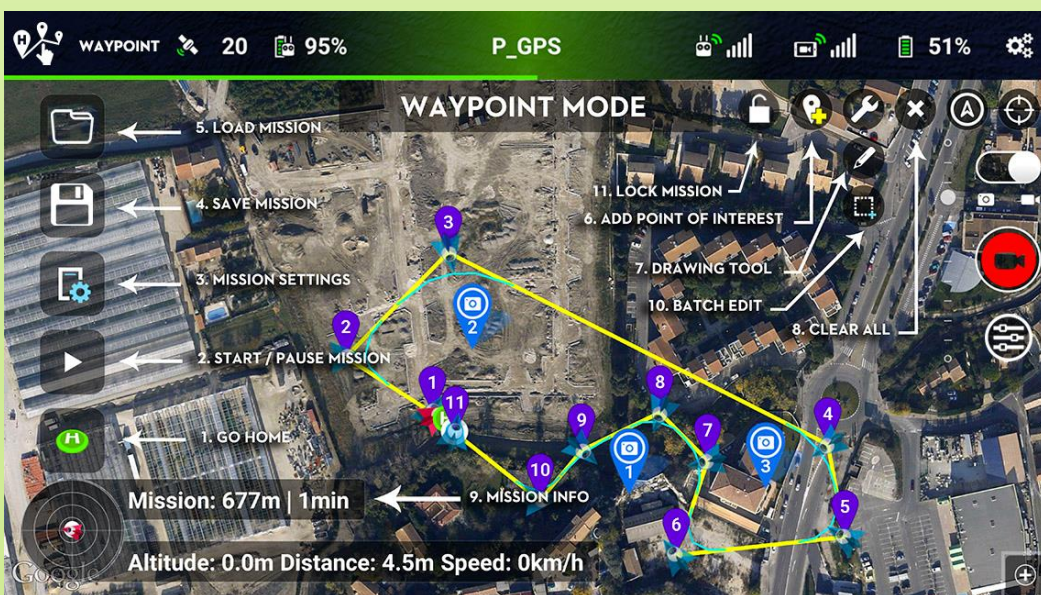
-WE PROCESSED THE DATA WE GOT FROM THE DRONE



HOW TO PREPARE A MISSION



AS LONG AS WE USE A DJI MAVIC 3 PRO, WE NEED TO INSERT THE WAYPOINTS AND IN EVERYONE OF THEM WE'LL CHOOSE WHERE THE CAMERAS WILL GET THE DATA WE NEED.



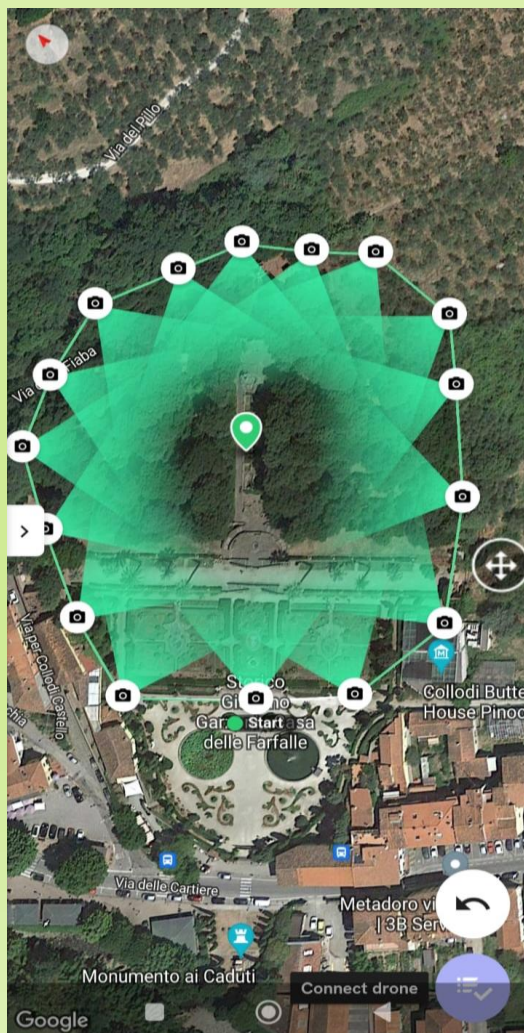
ONCE DESIGNED, THE AIRCRAFT WILL FLY BY HIMSELF AND THE OPERATOR WILL CONTROL THE FLIGHT.



USING EXTERNAL APPS: DroneDeploy ®



THE MISSION WE DESIGNED WITH DroneDeploy ®

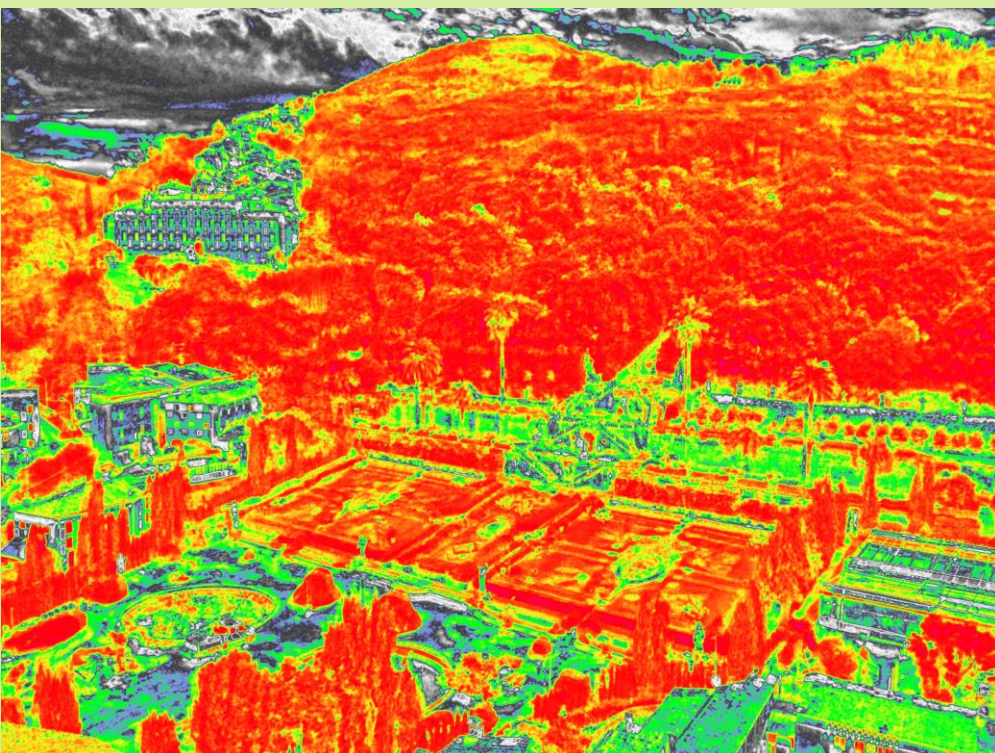




MISSION'S MEDIA



PHOTO MADE DURING THE MISSION



SAME PHOTO, BUT THIS ONE MULTISPECTRAL



VIDEO EXAMPLES





WHAT WE WANTED TO LEARN AND WHAT WE HAVE LEARNT



THE ONLINE COURSE WAS GREAT, BUT TO USE WHAT WE LEARNED FLYING THE DRONE WAS EVEN GREATER.

WE ARE VERY GLAD WE ACHIEVED OUR GOALS.

PARTICIPANTS:

Alexandre Barón

Ajuntament de Lloret de Mar
(Girona) Spain

Michele Nuti

Sviluppo Turistico Collodi SRL
(Collodi-Pescia) Italy

Suan Natali

Sviluppo Turistico Collodi SRL
(Collodi-Pescia) Italy

MANY THANKS TO:

Cinzia Laurelli

Jose Lizama

Alberto Peruzzi

and to the staff of STC

For the onsite support



European Route of
Historic Gardens
Itinerario Europeo dei Giardini Storici
Itinerario Europeo de Jardines Históricos
Itinéraire Européen des Jardins Historiques

