How to get your top-down drone imagery approved onto Soar

July, 2019

Soar is on a mission ...

We are building the future of all maps and imagery by integrating multiple resolution imagery feeds from satellite, aerial sensors, and crowd-sourced drone content.

By constructing the world's most comprehensive aerial *super-map*, we're able to provide global users with clearer, sharper and higher resolution images than other traditional mapping systems.

How do you fit in?

By uploading drone imagery to Soar, ***you*** are playing a unique part in helping us populate the first ever *super-map* of the world. This imagery will be made available for all users, allowing them to view, share and purchase, for many different uses and applications.

What is this document?

At Soar, we continuously seek to maintain the best content, with the best quality.

We have created this document as a best practice guideline for drone operators to follow.

Throughout this document, you will find each image containing one of either two tags, as a visual guide for letting you know what would be accepted and rejected on the Soar platform.

The question to ask yourself before you contribute ...

Does my image bring value to Soar?

The Soar platform allows users to upload and sell their map-quality drone imagery. We define map quality images as those taken high enough but within legal limits to showcase the Earth's features.

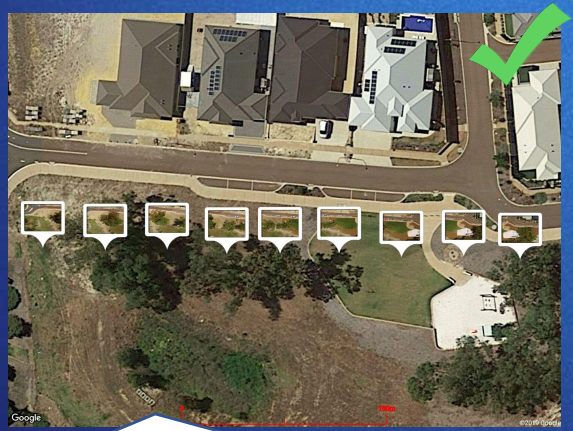
Map quality images are of high value to cartographers, land managers, surveyors, and anyone who utilises drone images for analysis.

Soar is for top-down drone images

Why does Soar only accept top-down images?

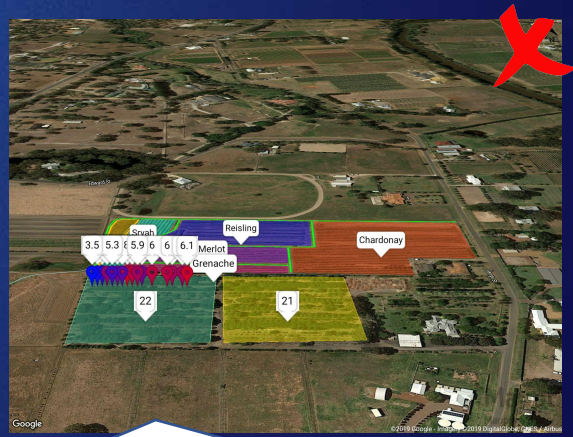
Georeferencing: The centre point of any vertical image corresponds to a spot directly below the drone, allowing for precise placement on Soar's global super-map.

Less Distortion: Vertical images present a map view of the earth with the least amount of distortion.



Top down images are accurately placed on the global super-map

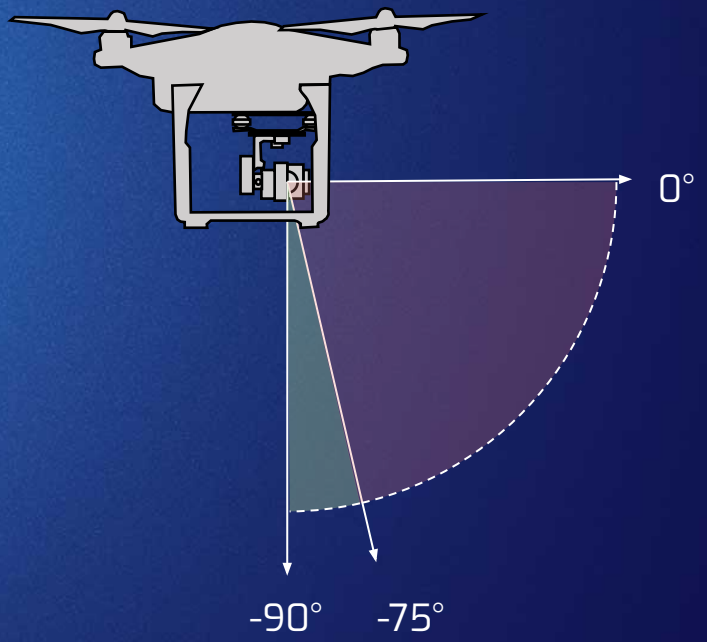
Vertical images show earth shapes as they really are



Oblique images distort the shapes of features on the earth

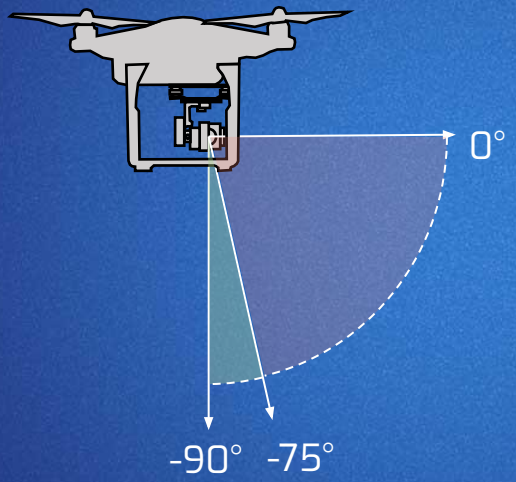
Recommended Image Altitude and Angle (Gimbal Pitch Angle)

Images must be acquired between 20 and 120m **Above Ground Level** (AGL)



Gimbal Pitch Angle (GPA) must be -75° to -90°

Images must be top-down to be accepted on Soar



Unacceptable
Gimbal Pitch = 0°

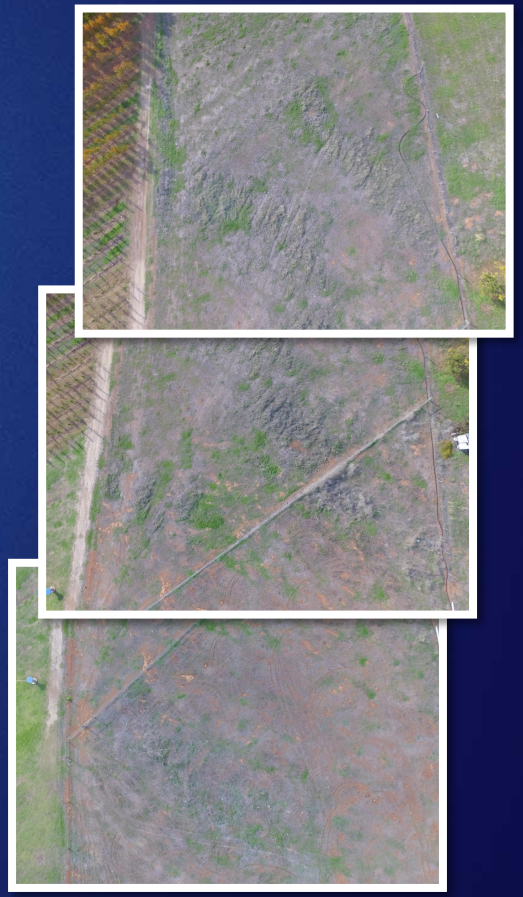
Unacceptable
Gimbal Pitch = -59°

Acceptable
Gimbal Pitch >-75°

Points to remember

Map quality images are taken at altitudes high enough (but within legal limits) to showcase the earth's features.

Map quality images are used by cartographers, land managers, surveyors, and people utilising drone images for analysis.



Ideal content - example 1

Title: Killer Rip

Description: Show the hidden danger of the rips we get along the coast of Perth, Western Australia

Tags: Western Australia, Perth, Floreat, rip, waves, beach, swell, blue, Indian Ocean

GPS Location: -31.926460, 115.754786

Soar URL: https://api.soar.earth/short/s204769609

Ideal content - example 2

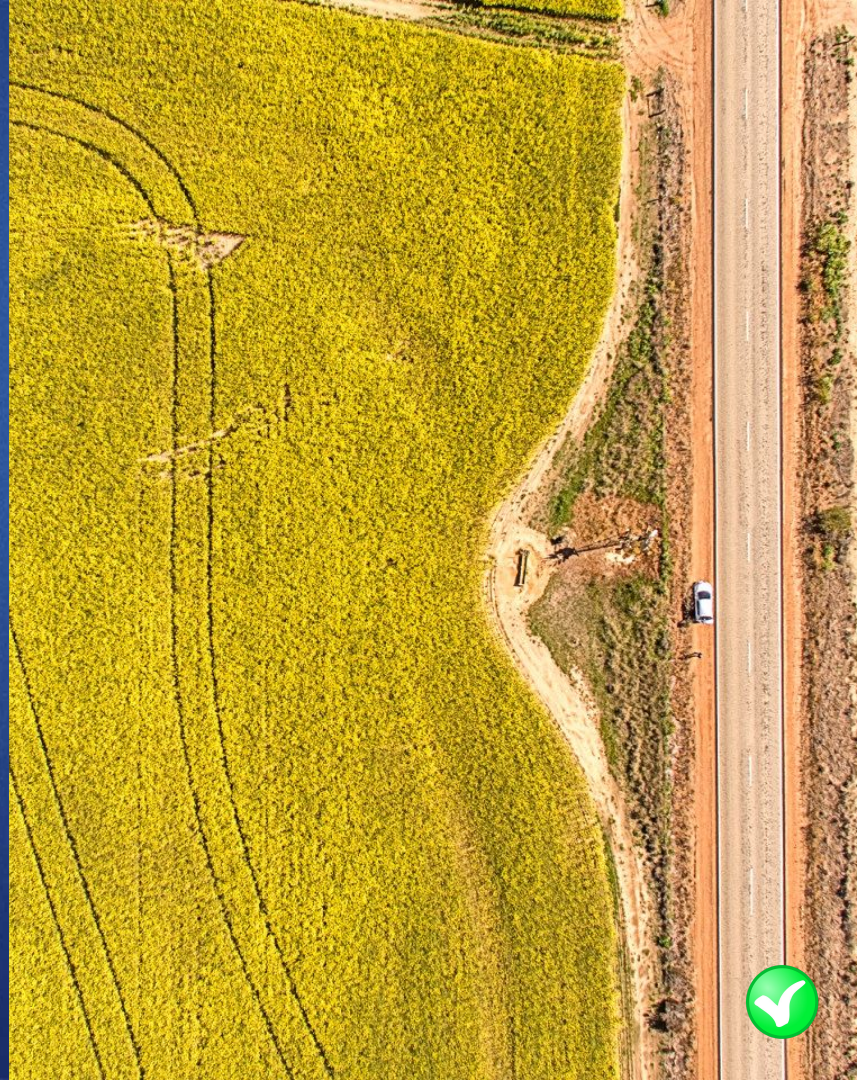
Title: Golden Canola Fields

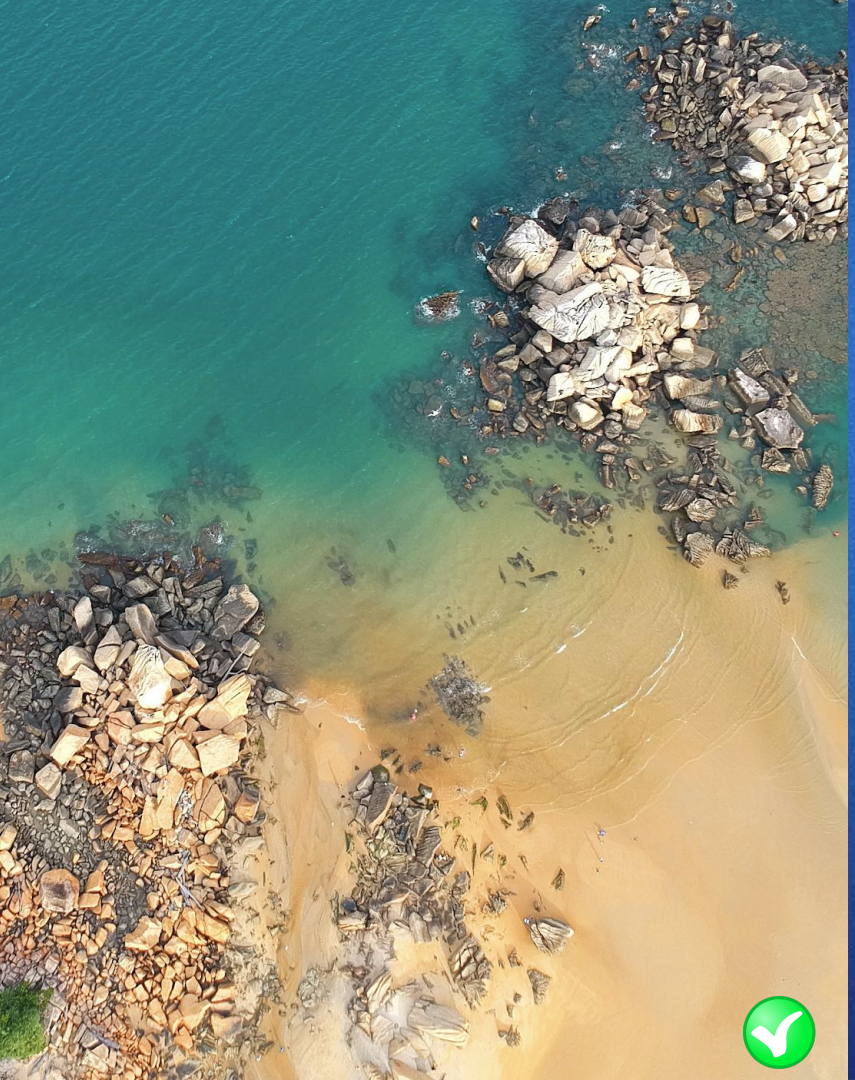
Description: Spring time for the golden canola fields in Walyormouring, east of Perth in Western Australia

Tags: Canola, Western Australia, farming, windmill, gold, crops, drone, dji, aerial

GPS Location: -31.251528, 116.923361

Soar URL: https://api.soar.earth/short/1a0o7a2706





Think you're ready?

LET'S GET TO SOAR!

Note: Majority of images are approved within the first hour of upload, however, please allow up to 24 hours for your image to be approved.

Still have questions?

We're here to help. Reach out to us anytime at skysponsor@soar.earth

SOAR