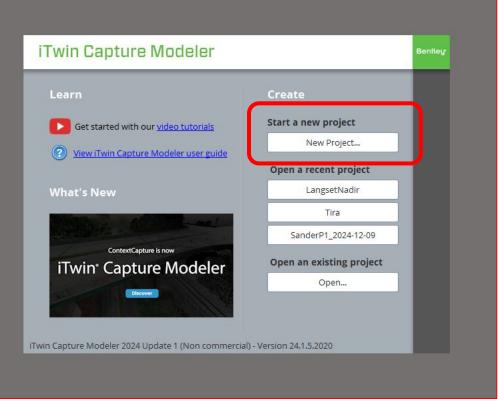
Processing photogrammetric data

Using iTwing Capture Modeler

DJI Matrice 4E geotagged data over Langset Kirke

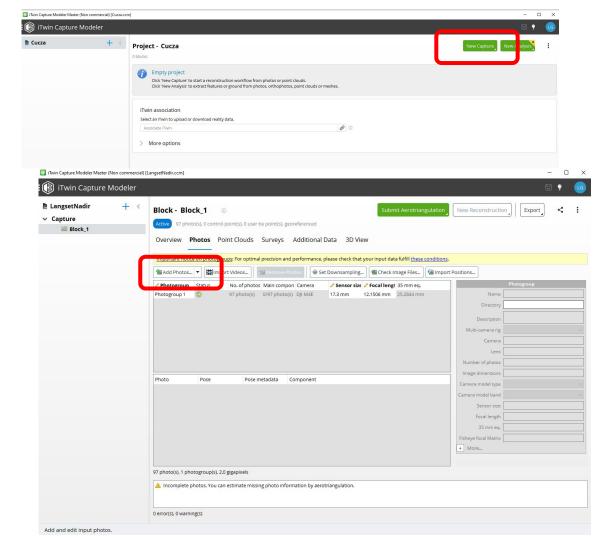
Open iTwin Capture Modeler Master, start new project



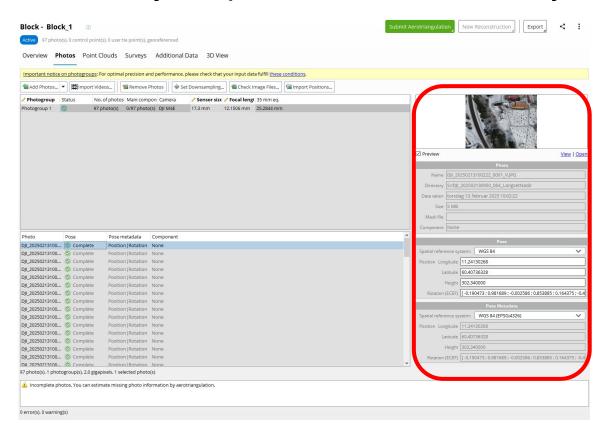


Start a "new capture"

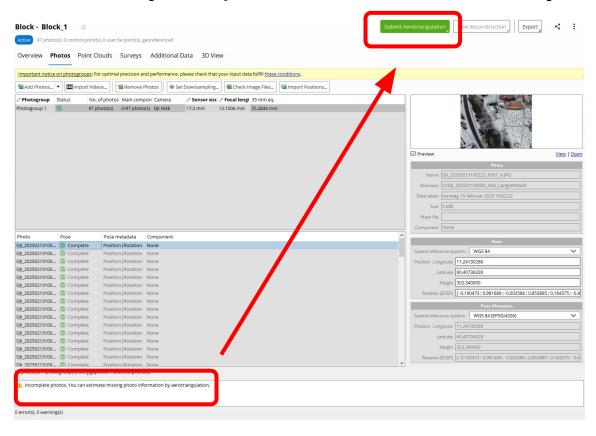
Add photos or a directory of photos



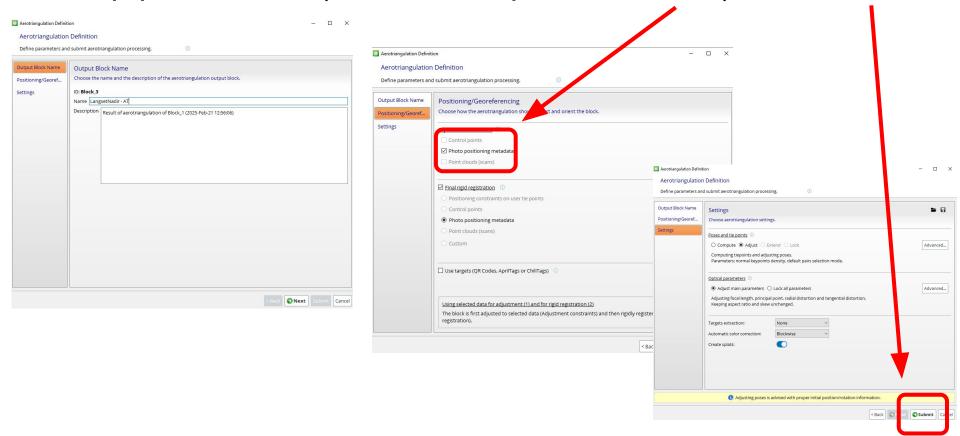
Information about your photos is automatically read



Information about your photos is automatically read



Setup parameters (default except circled here), and submit



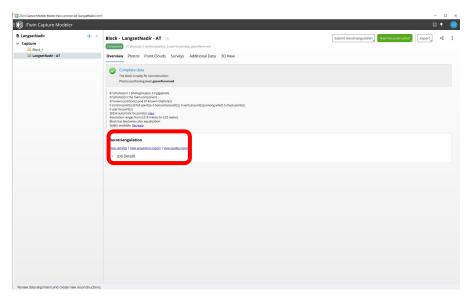
Start iTwin Capture Modeler Engine (that's the actual processing engine, it listens to new "jobs" being added by other iTwin tools)

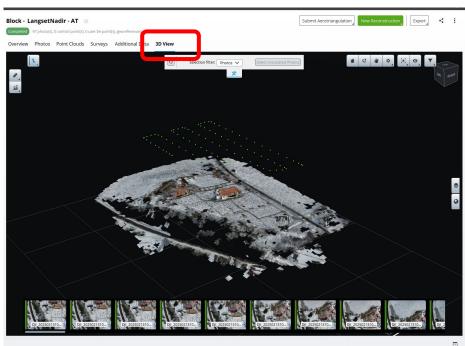
```
ilwin Capture Modeler Engine
                                                                                                                  iTwin Capture Modeler version 24.1.5.2020-a6f1d1a6 running << C:\Program Files\Bentley\iTwin Capture Modeler\bin\iTwinCa
ptureModelerEngine.exe >> from directory << C:\Program Files\Bentley\iTwin Capture Modeler\bin >>
[2025-Feb-21 11:50:21 UTC] Starting iTwinCaptureModelerEngine.exe on lucg@villinki
iTwin Capture Modeler Engine
iTwin Capture Modeler 2024 Update 1 (Non commercial)
Version 24.1.5.2020
Processing the following task types: AI AT PrepareProduction RasterProduction TileProduction
The Engine will profile jobs
[2025-Feb-21 12:50:22] Starting Engine on job queue "FILE:C:/Users/lucg/Documents/Bentley/iTwin Capture Modeler/Jobs"
[2025-Feb-21 12:50:22] Starting Task job 20250221T115015.076476 LangsetNadir AT / 463cab25-571f-449c-82ce-7b6c704b4493
[2025-Feb-21 12:50:24] Info: Task completed.
[2025-Feb-21 12:50:24] Starting Task job 20250221T115015.076476 LangsetNadir AT / 03bfda2<u>d-3bf7-4d1a-ae7a-c8f4db4faf5a</u>
[2025-Feb-21 12:50:29] Info: Task completed.
[2025-Feb-21 12:50:29] Starting Task job 20250221T115015.076476 LangsetNadir AT / bc1031c4-7d35-4bf5-84f8-dd4920a50121
[2025-Feb-21 12:50:48] Job job 20250221T115015.076476 LangsetNadir AT interrupted after 00:00:25
```

Wait (few minutes, depending on hardware and number and size of images)

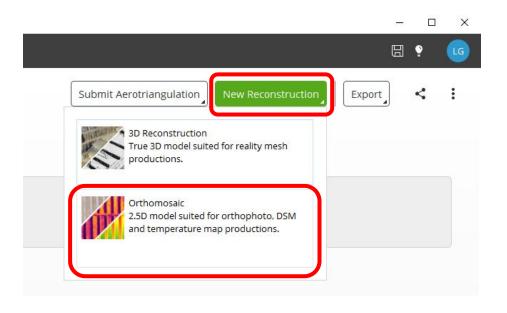


Read processing report and have a look at the 3D view

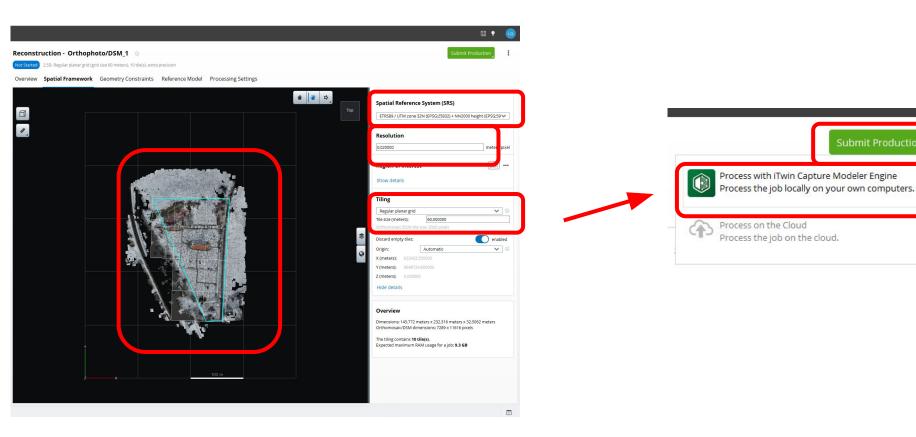




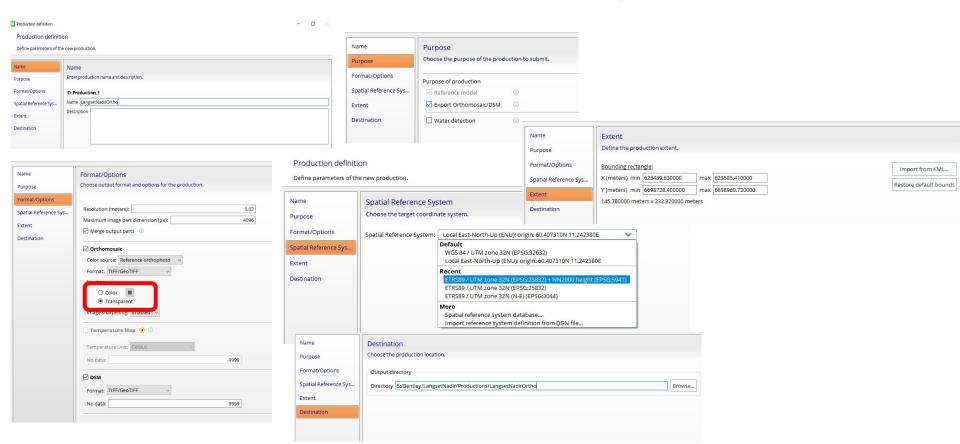
Start a new reconstruction - Orthomosaic



Choose all the appropriate options - submit the job

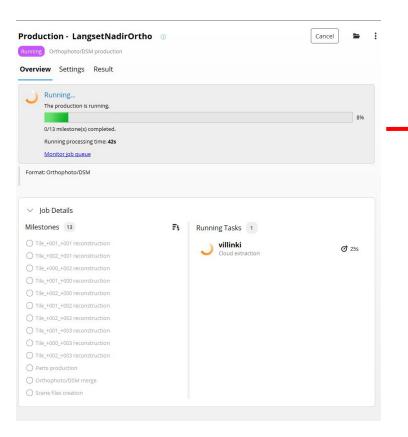


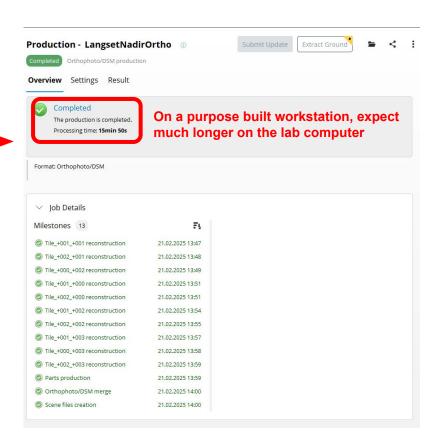
Set options and submit to the iTwin Engine





Wait (quite a long while :|)





Results (can be opened in GIS)!

Production ID: Production 1 Format: Orthophoto/DSM Destination: S:/Bentley/LangsetNadir/Productions/LangsetNadirOrtho Spatial Reference System: ETRS89 / UTM zone 32N (EPSG:25832) + NN2000 height (EPSG:5941) Sampling distance: 0.02 Projection type: Highest point Maximum image part dimension (px): 4096 Merge output parts: true Orthophoto Enabled: true Format: TIFF/GeoTIFF NoData value: 000 NoData transparency: true Color source: Reference model visible colors Image sharpening: Enabled

Production - LangsetNadirOrtho Name Date modified Type DSM Size Enabled: true 21.02.2025 14:00 File folder LangsetNadirOrtho_DSM_merge.tfw 21.02.2025 14:00 TFW File 1 KB Format: TIFF/GeoTIFF LangsetNadirOrtho_DSM_merge.tif 21.02.2025 14:00 TIF File 353 284 KB NoData value: -9999 LangsetNadirOrtho_DSM_merge.tif.ovr 21.02.2025 14:00 OVR File 116 113 KB LangsetNadirOrtho_ortho_merge.tfw 21.02.2025 14:00 TFW File 1 KB LangsetNadirOrtho_ortho_merge.tif TIF File 21.02.2025 14:00 353 284 KB LangsetNadirOrtho_ortho_merge.tif.ovr 21.02.2025 14:00 OVR File 116 156 KB

