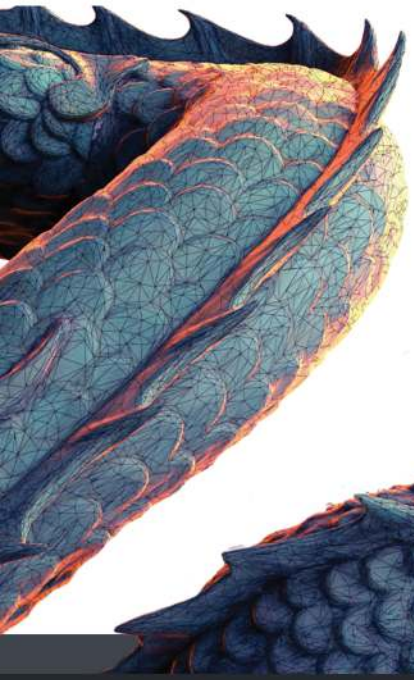
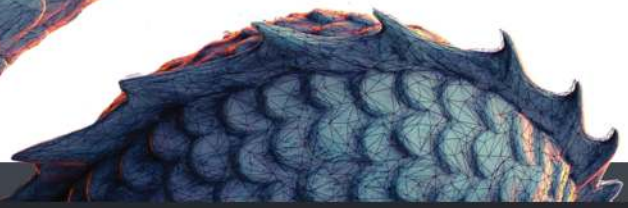
CapturingReality.com

Images contain more
than just colors





RealityCapture

All-In-One software solution
Faster than you expect

Do you need to ***create*** accurate and textured 3D models?

Produce ***accurate*** georeferenced 3D maps, orthophoto projections or digital surface models?

Create city-scale ***3D models*** from 100 000 images?

Do you want to achieve the highest possible detail without any limitation?

Reality capture is fully-featured photogrammetry software solution which reduces your operating time, brings great freedom to your work and allows you to focus on your business target. Whether you are big company or an individual, whatever your project is, we have perfect solution for everybody.

Our customers have reduced their operating costs significantly after buying RealityCapture, while getting 100% better results. Moreover, they have obtained ability to do what simply was not possible before.

Outstanding mesh quality and accuracy gained at amazing speed. That Is RealityCapture.

CapturingReality.com

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Achieve results at amazing speed
No matter how big the project is

Divide Areas

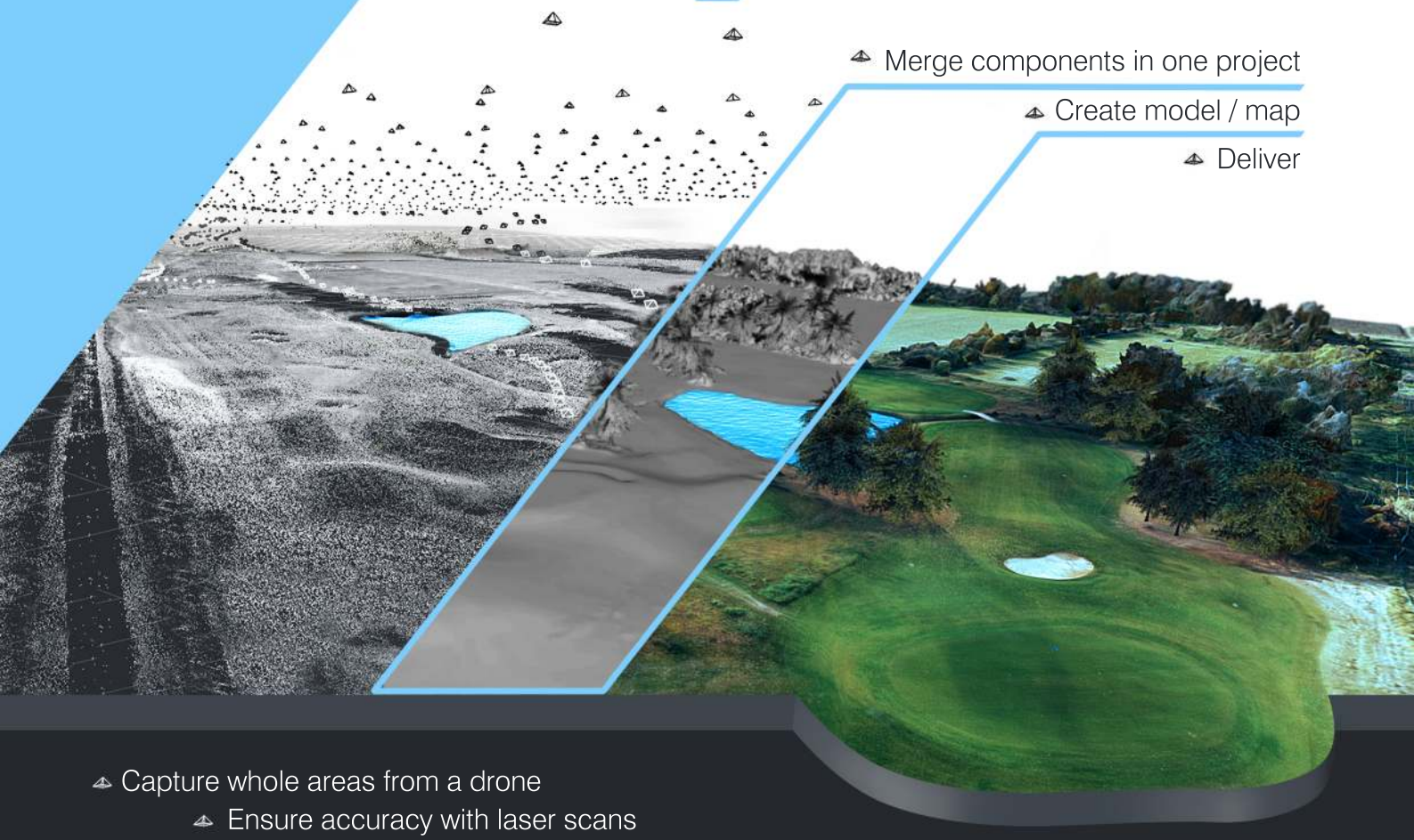
TEAM 1: Aerial photogrammetry
TEAM 2: Laser-scanner
TEAM 3: Ground photogrammetry
TEAM 4: ...

Work in Parallel

Each team:
- works independently
- aligns and inspect images directly in the field
- makes sure that no data is missing
- export to components

Bring Together

- Merge components in one project
- Create model / map
- Deliver



- Capture whole areas from a drone
- Ensure accuracy with laser scans
- Complement detail with ground photogrammetry

Acquire stunning detail

Combine available resources

"What the others call ultra-quality, we call normal.
What we call high-quality the others call impossible."

- ***No limits on model size!*** = out-of-core model computation: Unlimited size models in unlimited detail.
- ***Low demands on RAM:*** Process billions of triangles on a computer with 16GB of memory without any performance loss.
- ***Automatic/seamless/robust/adaptive combination of geometry, coloring and texturing*** computed from images and/or laser-scans.
- ***The final 3D model contains the best of all.***

RealityCapture is one solution for:

Photogrammetry

Create beautiful textured and accurate 3D models from set of ordinary images. Get the most from your pictures and do not limit yourself with images count.

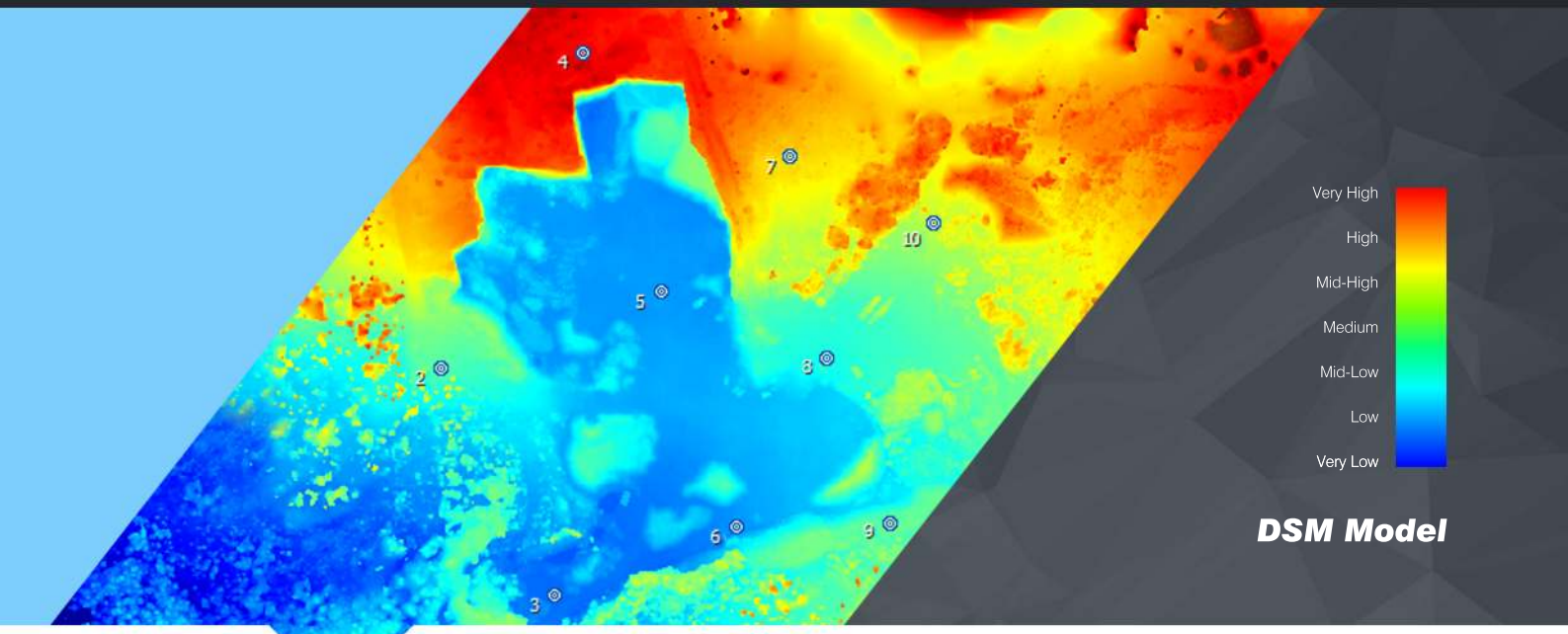
Laser-scanning

Laser scanners are natively supported inside the application, not just mixing point-clouds together, but they are fully involved even during a camera or a laser scanner pose estimation. This leads to a truly unbeatable accuracy.

It's combination

Laser scanning meets the state-of-the-art photogrammetry - all in one package. By combining laser scans and images you will achieve outstanding geometric accuracy and incredible photogrammetric detail.

Accurate georeferenced maps



Maps & Geo-referencing

- ***Georeferencing***
  - From flight log and/or
  - From ground control points
    - Ground controls and flight logs are importable in all text formats

- ***Support of multiple coordinate systems in one project***
  (each GCP, image can be referenced in different coordinate system)

- ***MapView***

- ***Advanced control points workflow***

- ***Unlimited size ortho-photo & DSM browser***

- ***Volume, area, distance measurements***