

# BeGeo 2024

LA CONNEXION A L'ETAT PUR  
DE ULTIME CONNECTIE



**Actual terrain situation in high detail at your fingertips**

Tom Vansteelandt, Vansteelandt BV

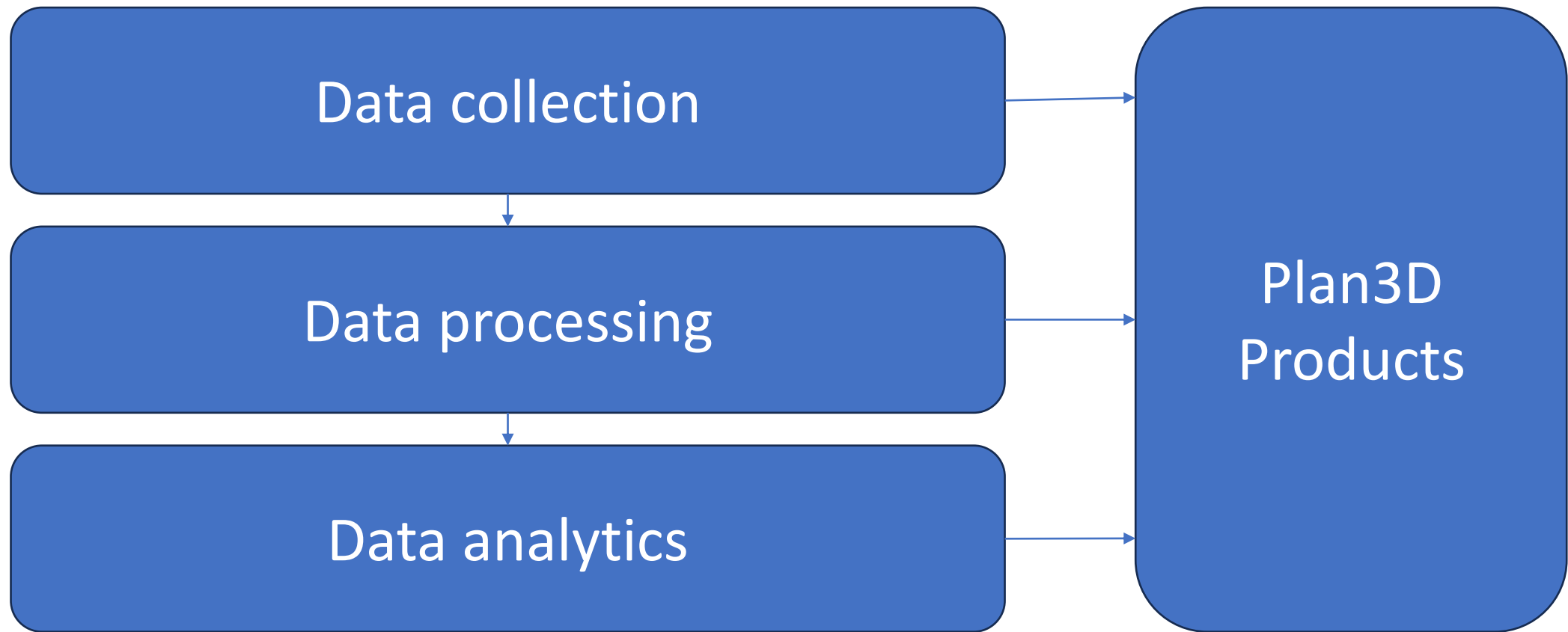
**begeo.be**

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## Plan3D

Image Content – Flanders available, Full Belgium by end 2024

Frequency: 1-2 years

Data Content – Buildings, facades & parcels

Solar panels, materials, surfaced area, swimming pools, ...

## Data collection



- 2 Tecnam Twin engine planes
- 1 CityMapper sensor
- 1 MultiView sensor (home engineering)

## CityMapper sensor

1 nadir cam: images 3-8 cm

4 oblique cams (45° in 4 directions): images 3-8 cm

1 Lidar sensor: 10-30 points/m<sup>2</sup>



## MultiView sensor

Dynamic camera setup (Phase One, IGI, ...) – RGB & NIR

Phase One 100 - 120 MP ( $>2f/s$ ) - 150 MP + Flir IR

Flexible Focal length 32 mm – 180 mm

Footprint pattern according to project needs





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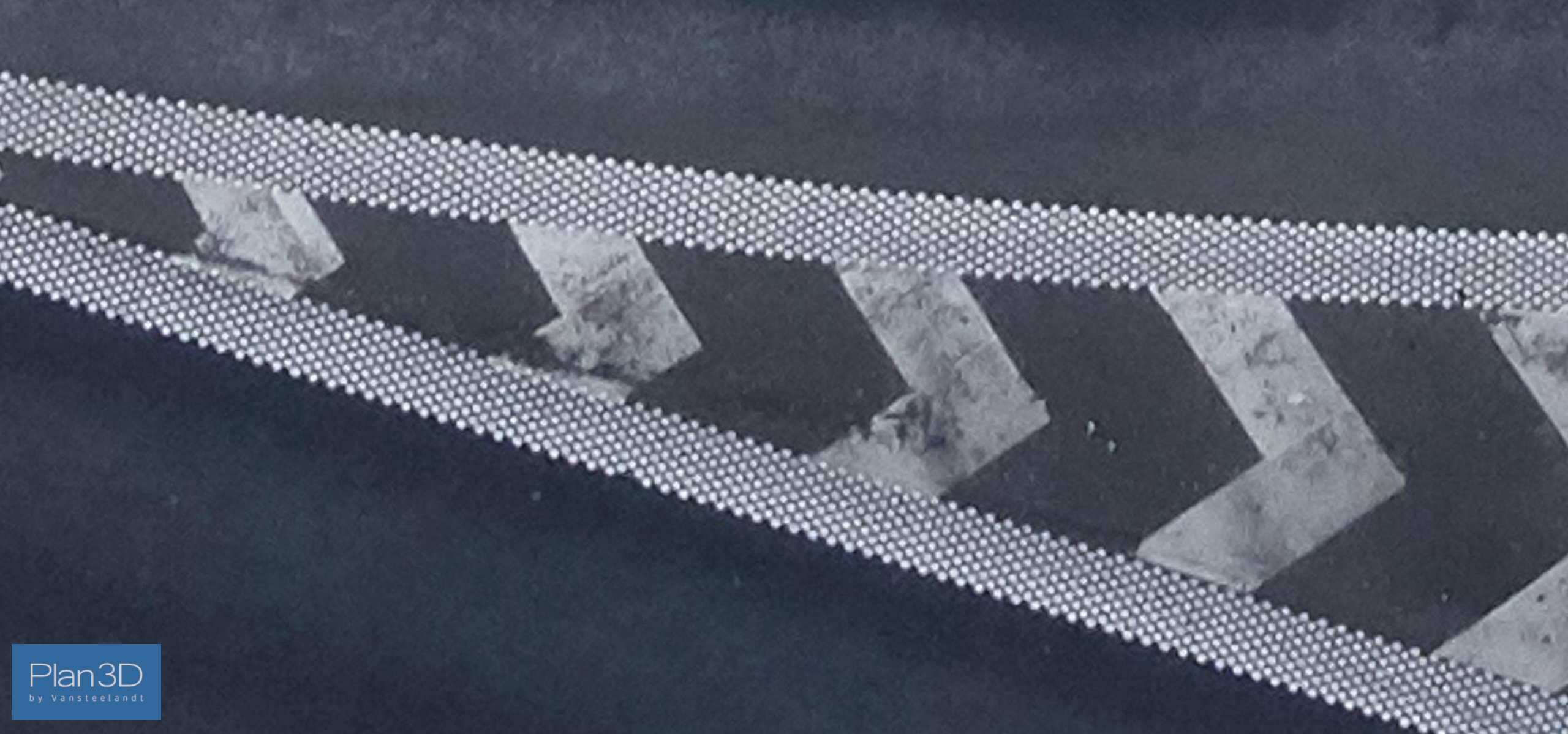


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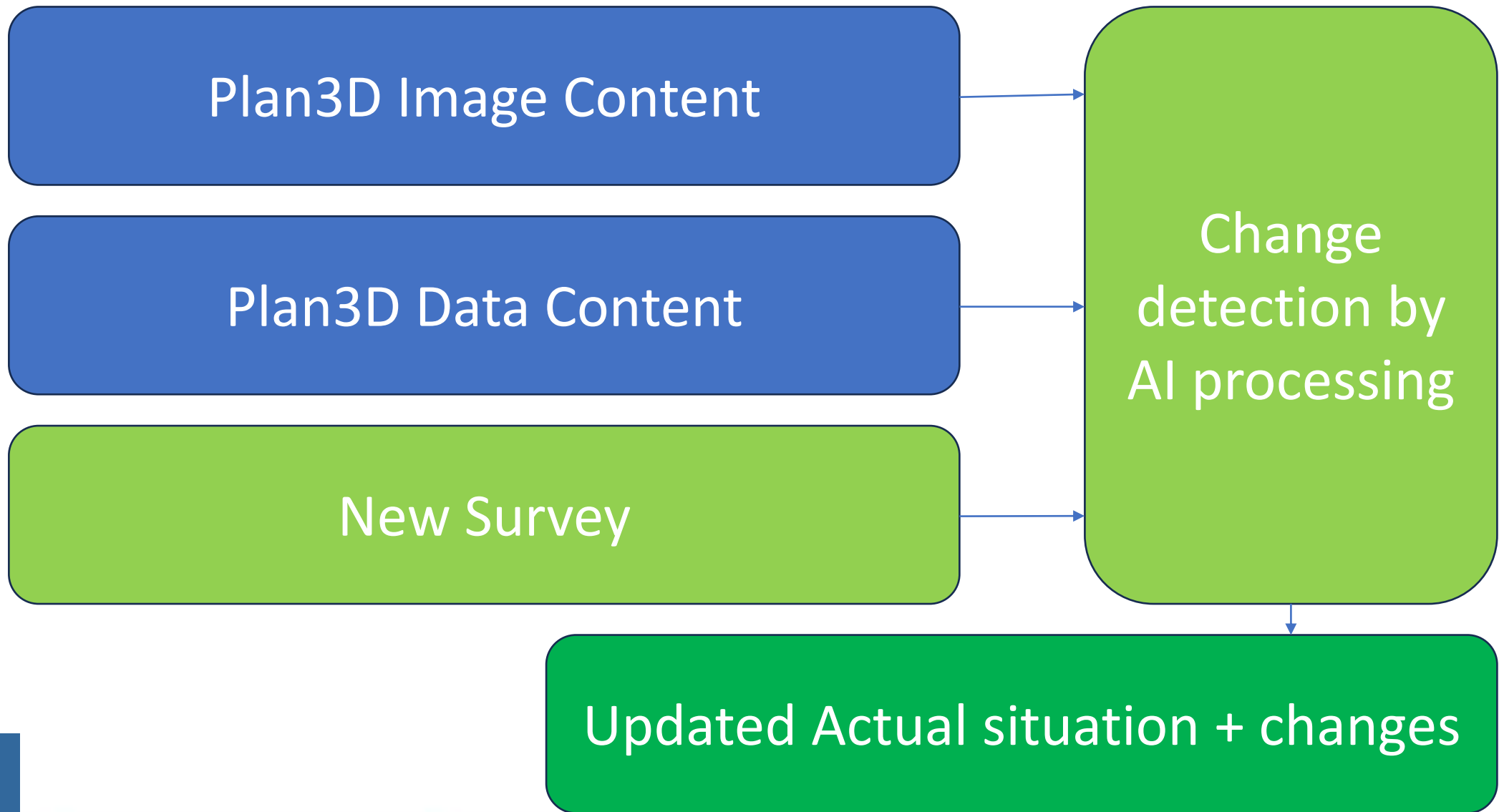
## MultiView sensor advantages

Data collection up to 5x faster ! (less flightlines)

Phase One: only fast GPS/IMU processing

Flexible Image quality processing

Ortho & 3D Mesh processing on RAW image format





## Deliveries

Raw images (with MultiView available next day)

True-orthomosaics

3D Pointclouds & 3D Mesh

Change detection reports / Mapping / GIS ...

## Our Reactivity

Kortrijk-Wevelgem Airport (EBKT) First Line Flight Ops

2 Planes & Pilots standby

In-house processing

Long-term frame contracts = Flexibility in ad-hoc planning



[www.vansteelandt.be](http://www.vansteelandt.be)

[www.plan3d.be](http://www.plan3d.be)