

# How it Works

VERIFIED VIEWS

## Verified Views

CartoConsult are experts in the production of Verified Views for your urban development planning applications.

We accurately communicate your proposed designs, whether that be urban or rural developments, large or small.

Using specialist surveying and photography, our 3D Artist accurately recreate real-world camera positions and align them with 3D models of the proposal to Landscape Institute guidelines.

*Also known as: Accurate Visual Representation (AVR), Visually Verified Montage (VVM), Photomontage.*



▲ Proposed View

Existing View ►



# CartoConsult

Capture • Process • Visualise

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CartoConsult is part of The Carto Group.

# Our Production Process

## Site photography & camera matching

We visit site to capture sensitive view-points and information to recreate lighting & context. You will be asked to review the photography images before production commences. Virtual cameras are created based on the approved view's position and focal length.

## Site survey

We analyse the selected photographs to identify key points within each view. Our surveyor will visit site to survey each view's location and key points.

## Detailed 3D modelling

Your CAD drawings are used to create a detailed 3D model of your proposal. Proposed finishes are recreated and applied to level 3 verified views.

## Camera matching

For each view the surveyed camera positions and key points are used to create a virtual camera using the real world camera's position and focal length.

## Image production & rendering

The lighting conditions in the site photography are replicated and any adjacent buildings are created, ensuring the proposed sits naturally in the context.

Our render farm turns the 3D model and lighting information into a raw rendered CGI, ready for the finishing touches.

## Post production

Masking is applied to integrate CGI s of the proposal accurately within the context. The hues, saturation & contrast are all finessed to make sure the really pops. People can also be added to enhance the sense of scale.

## Approval process & delivery

Draft will be issued via email so you and your team can provide us with consolidated feedback on any adjustments required. The finished will be made available for you to download, on approval.

# Level of Detail Types

**Stage 1:** 'Ghosted' shaded area showing the extent of the proposal.

**Stage 2:** Wireframe showing the size, location and degree of visibility of the proposal.

**Stage 3:** As Stage 2 with the inclusion of solid colour render showing proposal form (Massing Model).

**Stage 4:** As Stage 3 but fully rendered using proposed materials + lighting to match photograph.

# About Us

CartoConsult provide insightful, easy to understand visualisation from Internet of Things connected sensors through harnessing digital GIS mapping technology, using Location Intelligence and Big Data Strategies.

We work with AEC-O, Local Government Professionals and related industries that result in better and more effective built environments for everyone who uses them.

We believe in "GIS for good" - better built environments for everyone. Our mission is to enable built environment businesses to use Location Intelligence, Virtual Reality, Augmented Reality and great data to realise the value of their GIS strategies to enhance operational efficiency, save time & money whilst producing powerful & reliable results for their stakeholders.



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