

Holographic Visualization for Earth Science Data

Enabling anyone to understand applied earth science through 3D holographic models



What is The Ada Platform™

Applied earth scientists study and solve issues in a 3D world. Yet our industry has been constrained to communicating with 2D images and drawings, making it difficult to achieve shared understanding and project success.

Ada combines terrain and survey data, engineering designs and real-time computer graphics to visualize applied earth science data in 3D. With this solution, experts and non-technical stakeholders alike can visit a holographic version of their project site at any point in time—past, present or future—each from their own location anywhere in the world.

Why Customers Use The Ada Platform™

3D Space + Time: View designs from any angle and at any point in time.

Sub-surface Visualization: Give stakeholders a better understanding of underground geology, how it influences landscape, groundwater, engineered structures and other features and conditions.

Walk the Landscape: Improve expert and non-expert stakeholders understanding of distant locations and future outcomes by immersing them in a virtual tour of the site.

Shared, Visual Experience

Multiple users can view 3D visualizations together, from anywhere around the world, while building confidence and a common understanding towards a shared project vision.

Travel in Time

With Ada, experts and non-technical stakeholders can visit a digital version of the landscape or project site at any point in time—past, present or future.

Quick Turnaround

Translate multiple, complex datasets into compelling, immersive landscapes and 3D holographic presentations with minimal editing or setup.

“I truly feel that we have found a great tool for communicating to stakeholders and helping project staff in their own work, especially in the underground.”

—Chris MacInnis, Manager, Giant Mine Remediation Project, Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

The Ada Platform™ reduces the time to make key decisions by turning data into action:

- ✓ Non-technical stakeholders can come to a common understanding in minutes.
- ✓ Seamlessly move between perspectives, site overviews and real-life scale.
- ✓ Answer stakeholder questions and build trust.
- ✓ Enable collaboration decision making to move large scale projects forward faster.
- ✓ Technical project team members gain a better understanding of project scope and their roles within it.
- ✓ Team members see things they can't see on 2-D plans and drawings via HoloLens.
- ✓ Azure cloud-based solutions allow people to quickly and securely experience the visualization together from anywhere across the internet.
- ✓ The Azure Cloud brings the processing power necessary to build holographic visualizations from many, complex data sources.

Our promise to you:

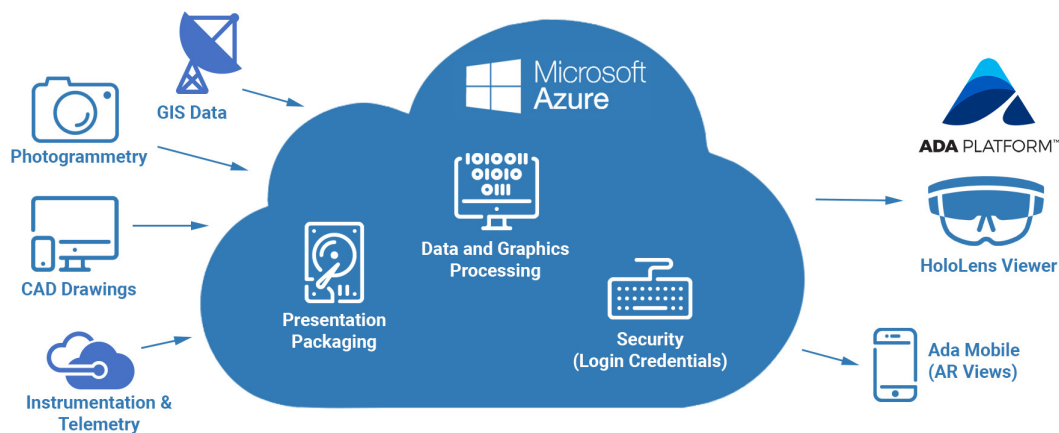
The Ada Platform will create a shared understanding of your earth science project, and the opportunity for better decisions with informed stakeholders

We will work with your data, and help you get what you need

Collection: Our 3D data experts will capture the spatial information

Interpretation: BGC's team of applied earth scientists will interpret and explain what the data means

Processing and Visualization: Our experienced software development team will transform the data into high quality 3D holographic models



The Power of Data Visualization

- ✓ Unlock your rich spatial data from two-dimensional pages and screens to inform your decisions and actions.
- ✓ Understand project scope and scale with unprecedented clarity.
- ✓ Realize greater stakeholder engagement to drive decision making with confidence.

Why BGC Engineering Inc.?

BGC is an international consulting firm that pioneers responsible solutions to complex earth science problems. We are adventurous innovators who thrive in the challenge of our work. We are guided by practical wisdom and we find workable solutions to complex problems.

