

ELEVATE

Geoprofessional Value



2023
FALL CONFERENCE
OCTOBER 17-19

GBA GEOPROFESSIONAL
BUSINESS
ASSOCIATION

How Technology Can Improve Stakeholder Engagement for a Successful Project Lifecycle

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Please scan this QR code for a quick survey! It will provide analytics during this presentation which I will show at the end



GBA BIZTECH

“Our mission is to identify innovative technologies in the geoprofessional industry. Through collaboration and knowledge-sharing, we strive to disseminate current technological tools available that support our member firms in reaching their full potential. We aim to serve as a resource and advocate for our member firms in navigating the rapidly evolving landscape of technology and its application to the geoprofessional industry.”





Where we were:

- Costly physical scale models, with time-consuming iterative design changes.
- Complicated design process with stakeholders challenged by 2-dimensional visualization.
- Static Stakeholder engagement discussions based on limited data points for analytics.
- Decentralized data for design and analytics. (Multiple points of unaligned data, lack of software integration, inability to file share).

Where we are:

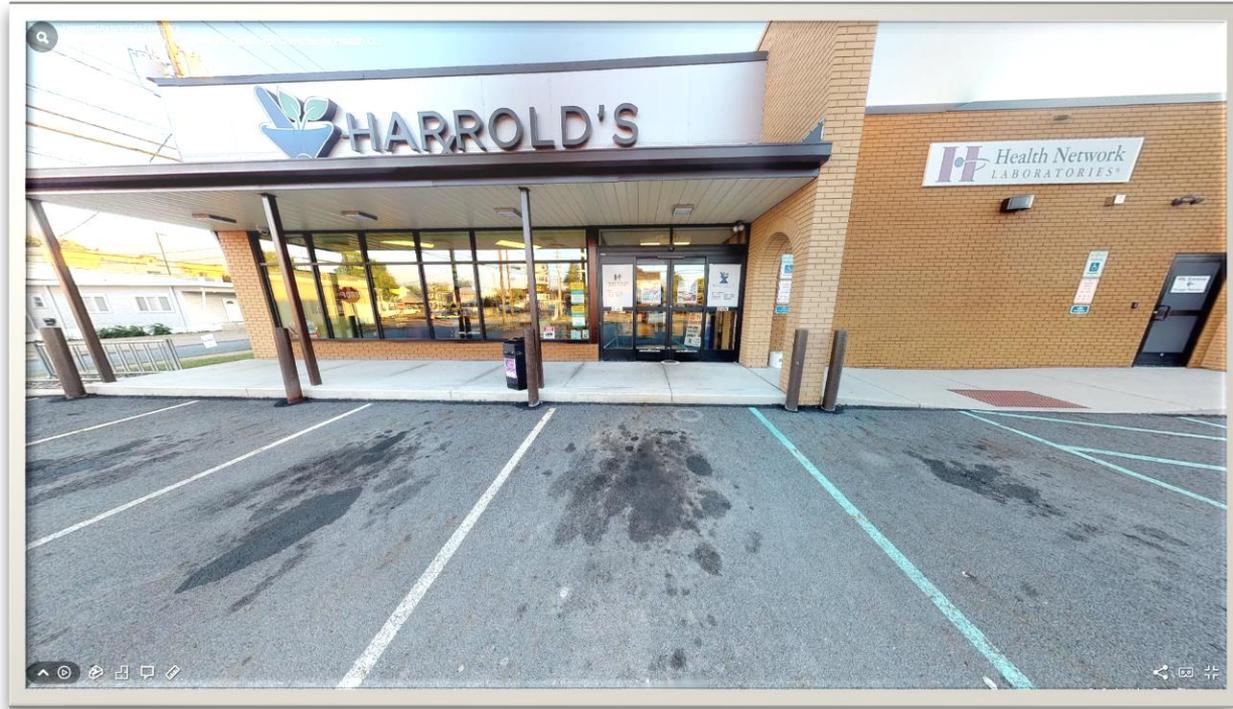
- 3D Visualization with efficient iterative design changes, enabled with Virtual or Augmented Reality.
- Digital web-based survey and live analytics for stakeholder feedback and input.
- Centralized data management and storage integration between multiple software sharing a single point of truth.



Reality Capture and Augmented Design



Virtual Walkthrough or Site visit



Virtual Walkthrough or Site visit

Cost Report

Description	Quantity	Unit	Unit Cost	Subtotal	Total
Grading Cut					
Earth Cut	74,237	12CY	2.76	205,032.45	
Rock Cut	0.00	CY	12.86	0.00	
Unstable Cut	0.00	CY	8.92	0.00	
Pipe Earth Cut	0.00	CY	5.40	0.00	
Pipe Rock Cut	0.00	CY	12.95	0.00	
Total Grading Cut	74,237.12			205,032.45	205,032.45
Grading Fill					
Earth Fill	74,237	12CY	2.76	205,032.45	
Import/Borrow Fill	274.58	CY	18.66	5,177.87	
Desired Import	0.00	CY	0.00	0.00	
Pipe Earth Fill	0.00	CY	17.00	0.00	
Pipe Earth Import	0.00	CY	19.95	0.00	
Total Grading Fill	74,561.78			210,519.32	210,519.32
Grading Export					
Earth Export	0.00	CY	9.98	0.00	
Rock Export	0.00	CY	9.98	0.00	
Unstable Export	0.00	CY	9.98	0.00	
Desired Earth Export	0.00	CY	0.00	0.00	
Pipe Earth Export	0.00	CY	9.98	0.00	
Pipe Rock Export	0.00	CY	9.98	0.00	
Total Grading Export	0.00			0.00	0.00

KNOW THE COST - COST AND GRADING ESTIMATES

Digital Site Visualization



Better Stakeholder Engagement: How Technology Can Improve Stakeholder Engagement for a Successful Project Lifecycle



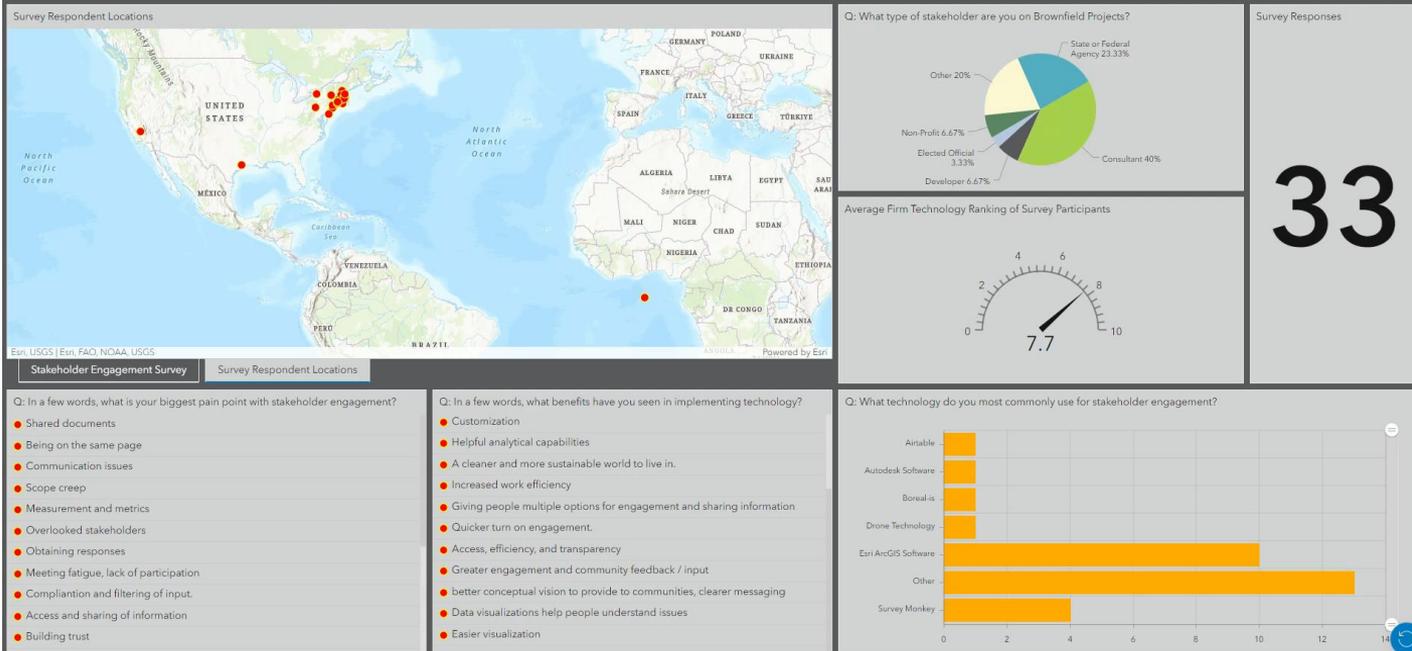
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Digital Survey and Analytics

GBA 2023 Fall Conference Technology Dashboard



Q&A