User name: Dataforensics/USACE
Project name: USACE ground to cloud—enterprise data management migration
Location: Washington, District of Columbia, United States

Background:

- To improve efficiencies managing subsurface data for millions of linear feet of data stored in multiple disparate systems, the United States Army Corps of Engineers (USACE) engaged Dataforensics to help compile and migrate existing historical data into a standardized data management system.

Challenges:

- Presented challenges with exporting the massive volume of data and creating a single source of truth.
- Needed to clean, standardize, and transfer data from the original system to a new, cloud-based enterprise solution.

Solution:

- Dataforensics developed a data migration application to automate the process, dramatically decreasing the amount of time needed to migrate existing datasets into OpenGround, while improving data quality and robustness.
- The enterprise solution reduces the carbon and environmental footprint by not having to re-drill boreholes at the same project location and moves USACE towards a digital-based rather than paper-based agency.

Outcomes:

- Bentley helped Dataforensics/USACE drive automation into the project workflow, which saved over 60,000 hours, compared to manual migration processes.

Quote: "With the combination of Dataforensics' data migration tool for OpenGround, Corps-wide training initiatives, and Bentley's OpenGround, USACE has improved efficiencies across the enterprise for subsurface data management of millions of linear feet of data." – *Georgette Hleppas, Geotechnical, Geology, and Materials Community of Practice Lead, USACE*

Image caption/courtesy 1: Dataforensics developed a data migration application to automate the process, dramatically decreasing the amount of time needed to migrate existing datasets. *Image courtesy of Dataforensics/USACE.*

Image caption/courtesy 2: Compared to manual migration process, the automated solution saved over 60,000 hours. *Image courtesy of Dataforensics/USACE.*

Image caption/courtesy 3: Moving to OpenGround's cloud-based, standardized geotechnical data management system significantly improved efficiencies in time, cost, and collaboration across the supply chain. *Image courtesy of Dataforensics/USACE.*

For more information, please contact Bentley PR at PR@news.bentley.com.

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