

GHD Refreshes Field Inspection & Reporting with Builterra

About GHD



GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. They provide engineering, architecture, environmental and construction services to private and public sector clients. GHD operates across five continents - Asia, Australia, Europe, North and South America - and the Pacific region. employing more than 10,000 people in 200+ offices.



The Challenge

GHD provides design and construction services for the City of Toronto. Many of their contracts include multiple projects and involve site inspection for five or more streets at once. “Coordinating multiple site inspectors to upload their reports and photos was challenging,” says Graham Sheffield-Grevstad, Engineer at GHD.

The Solution

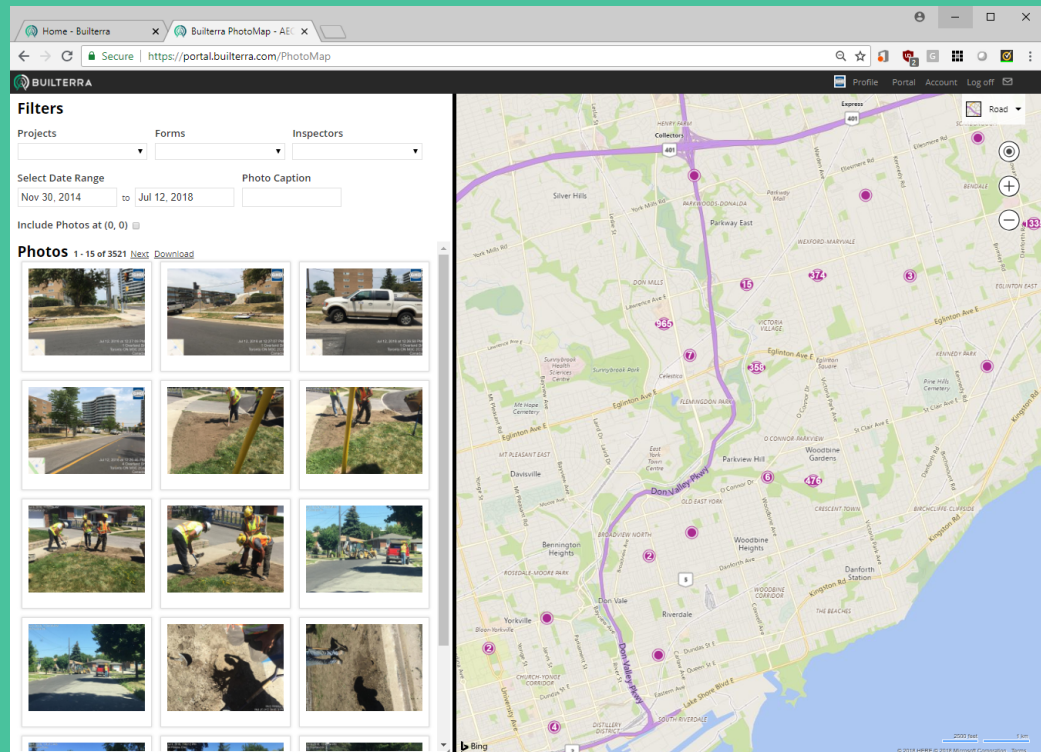
Graham was introduced to Builterra through a newsletter and began investigating its potential to improve GHD’s reporting process for the City of Toronto. It was decided Builterra would be adopted for a large-scale group of projects involving the replacement of several thousand meters of cast iron water-main in various locations around Toronto.

Designed exclusively for owners and the civil engineers who work for them, the Builterra platform standardizes, streamlines and connects the entire contract administration workflow including cost estimating, bid preparation, field inspection and progress payment reporting.

GHD uses Builterra primarily for field inspection on City of Toronto projects including preparing daily and weekly reports and producing payment certificates.

The Builterra implementation team worked with GHD to create customized report templates that met the City’s requirements and ensured they receive a standardized format every time, regardless of how data is entered.

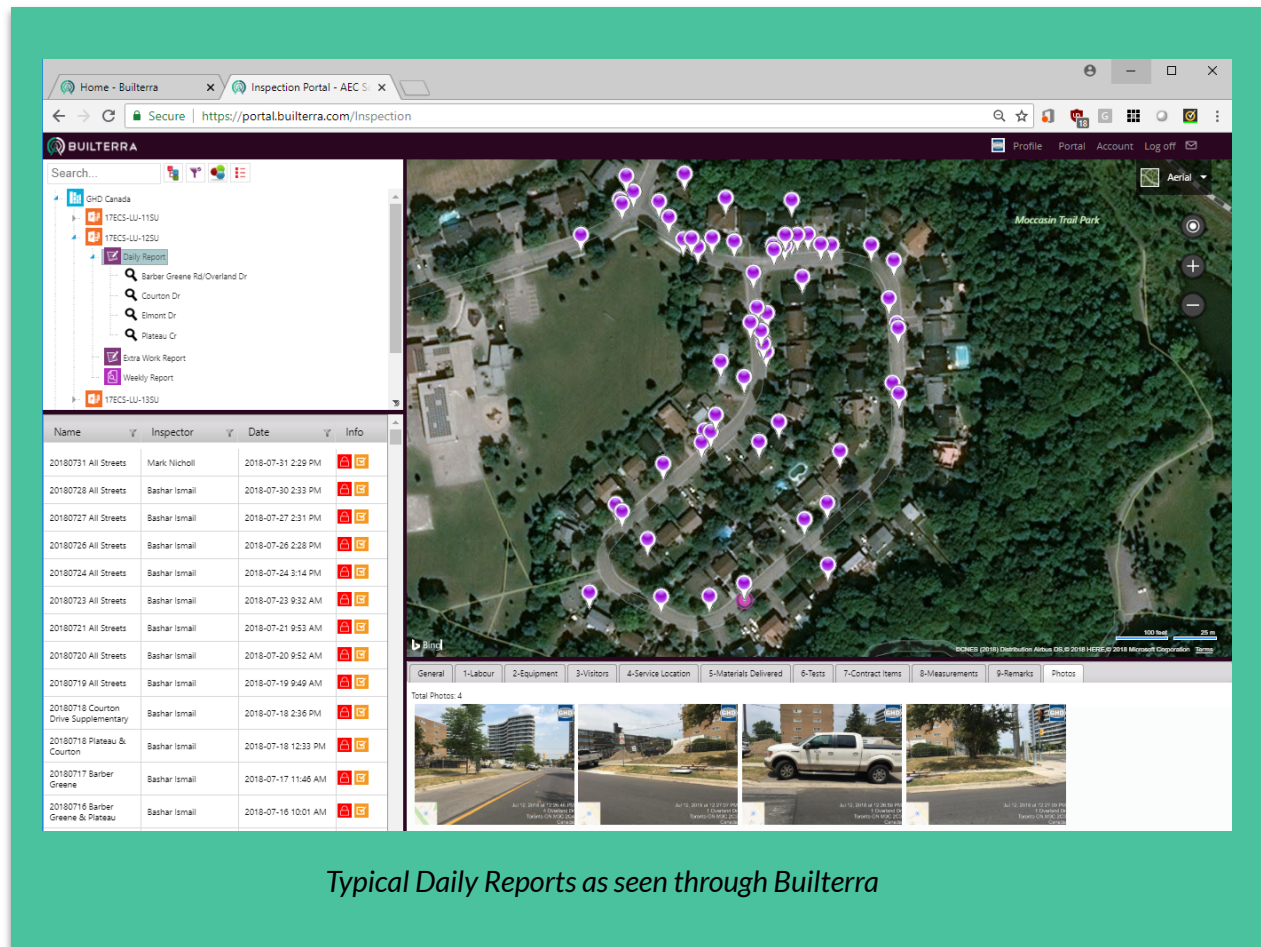
GHD’s project managers and contract administrators access a progress dashboard through the Web portal and view real-time inspected data. At month’s end, payment certificates are issued based on actual inspected values, minimizing disputes with contractors.



Samples of photos taken by field inspectors which are automatically geo-tagged and accessible via Builterra’s Photo Map feature.

GHD reports a more streamlined and standardized approach to field inspection, reporting and payments.

Because the field inspector uploads all inspection data directly, the project team no longer has to compile multiple inspectors' reports and the data is really only handled once. "The presentation of what we're providing to the client is more clear and consistent. The way the reports come together, with photos appended, is very useful for communicating site activities and progress."



Furthermore, GHD appreciates the ability to have complete control over the bid configuration, from specifying quantities, units and structure thereby allowing GHD to match the City's format.

Overall GHD has been able to streamline some key workflows in the contract administration process. "With BUILTERRA, there's a significant time savings, a reduction in the handling of work and the margin of error has been reduced when managing quantities and payments for multi-project contracts," says Graham.

BUILTERRA has built the digital pathway for construction contract administration, from conceptual design to as-constructed data ready for GIS.

Since its launch in 2016, the BUILTERRA platform has powered leading civil engineering firms and municipalities across North America to successfully deliver over \$1 Billion in infrastructure construction progress reporting and payment certification.