

Case Study



INDUSTRY

Material Hauling

USE CASE

End-to-end software platform development with Neo4j and Domo analytics.

GOAL

Replace outdated industry technology with a modern, cloud-based solution.

CHALLENGE

Overcome limitations in existing solutions tied to speed, accuracy, and usability.

SOLUTION

Development partnership across the entire process resulting in a highly regarded software platform.

RESULTS

Vast improvements in accuracy, speed, and efficiency resulted in measurable gains across route planning, invoicing, billing, dispatch, and driver pay.

MatHaul, LLC

Material Hauling Software Company Partners Closely with Graphable To Deliver Revolutionary, Industry-specific Solution

MatHaul identified a significant challenge faced by material hauling companies due to the age of existing tools and sought to replace those solutions with an innovative alternative.

The Company

[MatHaul](#) is a software company specializing in developing data-driven solutions for the material hauling industry. Its innovative software ushers in exciting new possibilities in dispatching, material sales, quoting, billing, and driver pay.

The Challenge

Bulk material and aggregate hauling, while not often an industry at the top of people's minds, is a vital service for infrastructure, construction, and development. In 2022, 2.47 billion metric tons of aggregate products—gravel, crushed stone, and sand—[were produced in the United States](#). The transportation required to get these products to construction sites and processing locations comprises a thriving and essential market all on its own. That number doesn't reflect the hauling volume of similar materials, like asphalt or dirt, and other bulk or dump hauling.

The software supporting this industry has not kept up with modern expectations. Built on legacy development tools, the billing, routing, and dispatch tools available to the market are slow, cumbersome on-premises applications. Because of their lack of connectivity, obtaining anything beyond rudimentary analytics from these tools is often impossible.

Limitations in these legacy solutions have also led to invoicing and payroll errors that cost material hauling companies significantly every year. Even the complexity arising from the different, custom variations of trucks required for hauling specific materials has a measurable impact that ultimately affects all aspects of hauling: material sales, dispatch, delivery, ticketing, invoicing, driver pay, and more.

The Solution

MatHaul was founded to build a better software platform for material hauling companies that took advantage of modern possibilities and technological advances. Built on a core of [Neo4j](#) graph database, performing analytics with the [Domo](#) platform, MatHaul's platform gives hauling companies granular control over each order, enabling users to filter results instantaneously.

Integrating with Google's API enhances the user experience even further, making it possible to plan routes automatically using Google Maps. From the same single view into the order, users can adjust load sizes and other factors related to the shipment and see how those changes affect the route's cost in real-time.

MatHaul partnered closely with [Graphable](#) at every step of the development process. Graphable brought end-to-end application development expertise as well as graph database and analytics expertise to the table to help MatHaul realize its vision. This included looking at the end customers' needs and discovering opportunities, like the Google Maps API for route planning and visualization.

Case Study



“We could not have brought the value to our customers that we’ve already witnessed without our close partnership with Graphable. The team’s expertise and collaborative spirit are second to none.”

— Thomas Burlington
President
MathHaul

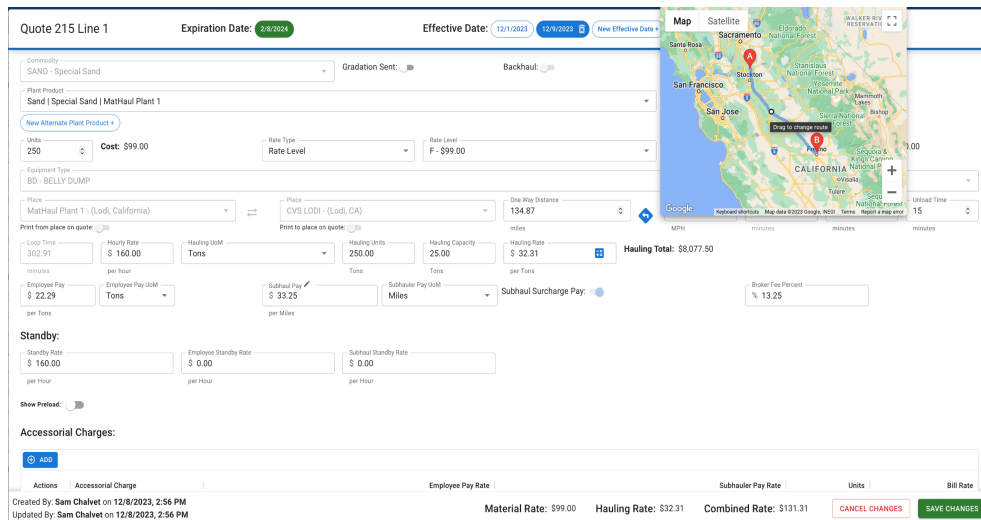
The Results

Working side-by-side with Graphable, MathHaul produced a cloud-native, SaaS-software solution for material hauling companies that takes advantage of modern capabilities to overcome the shortcomings of the outdated tools available today.

For example, filtering results, something that could take up to a minute to complete in previous tools, happens instantaneously in MathHaul, saving users time spent waiting with every transaction or route. MathHaul’s current customers are seeing marked improvements in invoicing and billing speeds as well. Customers state that they are sending out up to 50% more quotes thanks to the efficiency offered by the platform. Billing is happening 30% faster, also according to the company’s customers, thanks to automated electronic ticketing and matching.

“It was incredibly gratifying to work so closely with the MathHaul team and see their vision come to fruition,” said Phil LaCorte, President of Graphable. *“Their platform will revolutionize an industry that is often overlooked as an area of advancement in technology, and their customers are already seeing a massive difference in accuracy and flexibility as a result.”*

Google Maps Integration for Route Planning



Graphable helps you make sense of your data by delivering expert analytics, data engineering, custom dev and applied data science services. We are known for operating ethically, communicating well, and delivering on-time. With hundreds of successful projects across most industries, we have deep expertise in FinServ, Life Sciences, Security/Intelligence, HighTech, Manufacturing/Transportation and Media. Thriving in the most challenging data integration and data science contexts, Graphable drives your analytics, data engineering, custom dev and applied data science success. Find out more at graphable.ai

Questions about Graphable?

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