



CONSTRUCTION DATA SOLUTIONS

The Growing Importance of Data & Analytics in the Construction Industry



Is the Construction Industry Keeping Up to Digital Business Trends?

It's no surprise that data is now the single most significant driving force behind global business. In fact, the data industry is poised to increase by **\$30 billion in 2022**—making analytics one of the most valuable commodities in the world. But, the question remains, is the construction industry keeping pace? Currently, the answer is no—and the data proves it.

For instance, to date, material waste and remedial work still account for **35% of construction costs meaning the construction industry is not actively pursuing analytics solutions to save money and increase profit**. Worse yet, it's reported that most construction companies still struggle with basic systems connectivity and interoperability, time-card issues, material costs, forecasting, compliance reporting, etc. The reason? The industry is often hesitant to adopt new technologies, systems and processes and usually lacks the skillsets and knowledge required to embark on a journey to digital transformation.

This infographic highlights the challenges and the solutions to move to a more data-driven and insightful business environment.

The Most Common Construction Industry Data Challenges



Timecard & Payroll Integration

This process often involves out-of-date systems, including paper files and processing, outdated manual entry, or simply lack of insight, i.e., knowing how many hours, overtime, allotted time vs overtime, etc.



Inputting Data Into Multiple Legacy Systems

The vast majority of construction companies still struggle with the inability to input data simultaneously into multiple systems that inherently don't speak to one another.



Reporting Data From Multiple Legacy Systems

Like inputting data into legacy systems, running reports or data exports requires time and manual efforts to gauge work-in-progress (WIP) reporting, customer billing, or internal or external progress reporting.



Compliance Reporting

Without a fully-integrated digital environment, it can be nearly impossible to promptly generate the requisite data regarding contractors, build standards, and specific labour laws to demonstrate compliance or adequately initiate corrective measures.



Data Insights Take Too Much Time & Resources

It is not uncommon for construction companies to struggle with creating a complete picture of the business through accurate data that ultimately negatively impact employee production, budgeting, delivery of projects on time and, in the final analysis, a company's profitability.



No Out-of-the-box Applications

The construction industry is behind in technology advancement and lacks access to platforms that address the unique workflow requirements of the construction market.

A new world driven by analytics



Navigating Technology

You need to ensure that your technology stack is fully interoperable, usable and configurable, resulting in faster reporting, better consolidation of data, and less time spent managing systems instead of the business as a whole.

Your first step is to engage an in-depth Technology Advisory Service to help clarify/articulate the problem you are trying to solve and help you identify your ideal outcome. In the next step, the advisory expert will help you and your team select the right new technologies to meet your needs while ensuring that the new technology easily connects to legacy systems to provide future-ready migrations when necessary.



Modernizing Your Business Through Data Integration

Eliminate grueling hours, lost time and productivity, and archaic manual processes by engaging with a Data Integration Service designed to identify and integrate all critical data systems and software platforms to enable access to instant, highly-accurate data reporting, including:

- Job hours
- Job cost
- Actuals to budget
- Overtime
- Allotted time vs overtime
- Work-in-progress (WIP) reporting
- Customer billing
- Internal progress reporting
- External progress reporting

Success Comes from Data

The optimal path to success is making better decisions through access to the correct data at the right time and where you need it.



Lower CAPEX

Invest in only the technology you require.



Better Decisions

Get the exact data they need to make better business decisions.



Rapid Results

Reduce the risk of spending money without getting desired results.



Reduce Risk

Find and fix field issues before they become significant problems.

Learn how Aedo can help you improve your construction operations and your bottom line.

Book Your FREE Consultation Today!

Building INSIGHT. Building SUCCESS.



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