



3 key issues
causing the
performance
gap in
construction

solved





Glantus Ireland is certified and accredited
ISO 9001:2015 and ISO 27001



Glantus is a data platform.

It integrates data from any source and puts it to work.

It's agile, deploys quickly, and won't disrupt your business.

It grows revenue and reduces costs.

Simple.



Data Made Simple

3 KEY issues causing the performance gap in construction – Solved

Introduction

In the construction industry, there are many challenges facing companies as they strive for competitive advantage. There is a lack of clear visibility on the status of each project, as well as issues with communication flow and insufficient real-time risk management. These issues cause the performance gap for companies as they result in costly delays to project deliveries.

Time is critical when dealing with construction projects. Constant activity across multiple sites with project deadlines to be met, a lack of information which creates uncertainty and a sense of “information smog” for all stakeholders. Each stage of a construction project needs to be certified which can cause further delays, waiting for confirmation of sign off or updates on issues that are holding up completion.

What makes the construction industry a victim to consistent project delays is that it is an industry that still relies heavily on traditional paper-based processing. In any construction project, there are many sources of data. When dealing with paper, accessing the right information takes time and resources – two things that can reduce your profitability if they get out of hand. With heavy reliance on manual methods and human execution, it's often too late to make changes to a project that did not execute as proposed and specified in the contract.

By the time information is collected, it is typically out of date. This translates to your team needing to make manual adjustments and put in a lot of effort getting it back up to speed (and repeat). Communication flow between multiple parties can also be difficult to coordinate as the project advances and activity ramps up.

3 key issues causing the performance gap in construction – solved



According to PwC's Global Data and Analytics survey - 81% of businesses are using predictive business systems, whilst 59% are in the process of building them today and 22% planned to in the next 12 months.

By granting all key stakeholders' access to centralized data at the right time via interactive intelligent reporting (dashboards) inaccurate back and forth communication is eliminated as the relevant information can be made available instantly. Real-time capture of key information combined with automated actions based on data-driven process flows across all live projects means faster decisions making, less risk and a significant reduction in project delays. Furthermore, by adding Predictive analytics and Business Information Modelling, the data is leveraged to ensure regulatory compliance, proactive future-proofed trading analysis and maximum ROI.

Using a platform that captures, automates and offers analysis on all data across all your construction projects ensures that the most accurate, up-to-date information is available when you need it. This saves time, maximizes the use of resources and removes the key issues like lack of project visibility, poor communication flow and risk analysis. This E-book reviews each of these key areas and outlines how a data platform can remove these barriers.

3 key issues causing the performance gap in construction – solved



1. Project Visibility

VISIBILITY FOR PROJECT MANAGERS

Development projects are rarely simple, with multiple site works going on at the same time across a variety of locations, typically with large distances between them. This results in a lack of visibility of the processes. One of the biggest enablers to project efficiency is BIM, also known as Business Information Modelling. BIM is a digital agent for change and a shared knowledge space that provides real time visibility of each project stage. The tool is revolutionary and is already empowering the construction industry with significant changes. Each stakeholder can access this information, specifically project managers who can use digital

information to review functional and physical characteristics of a facility from early project design to demolition.

“ 70% of construction projects end up over budget and over the time scheduled”

(BIM Ireland, 2019)

Waste management is a major benefit to using BIM, as change orders are minimized and lost revenue is reduced. Indeed, it allows a business to complete projects on time and on budget. Project owners can reap the benefits of a more assured process even after the completion, should they decide to renovate in the future. The Glantus platform works in tandem with BIM, by allowing construction companies to import the IFC files directly and interact with the embedded 3D dimensional tool in one centralized space.

3 key issues causing the performance gap in construction – solved



Project managers of construction companies that enable real-time dashboards gain true visibility with a 360 view of site activity. These dashboards are easily customizable to provide a high-level overview for management, with the ability for users to drill down to specific details, such as who is / will be working on the site and when. The Glantus Platform enables project managers to access real-time information across all projects and connects to any existing systems. This provides project managers with the ability to control schedules as well as steer and manage progress, resulting in a better delivery and better financial reward. Essentially, more visibility means better governance, and this allows people to get to the root of a problem quickly and be pro-active to prevent issues from occurring.

VISIBILITY FOR TOP MANAGEMENT AND INVESTORS

Plain and simple, project visibility is power in the construction field. The management team and other stakeholders involved in a construction project require regular updates on project status. In most cases, this information is provided through methods of documentation, photos, or videos. The ability to provide access to up-to-date information to all stakeholders within one central portal reduces the need for phone calls, emails and complex documents that add to the demands on resources that should be focused on delivery.

Yet, one misconception is that visibility will create information overload, with the idea that it will create streams of inconsistent communication and a sense of confusion. However, this is an inaccurate belief and indeed, the failure to encourage homogenous communication between stakeholders is a critical factor in the collapse of a project.

“ Top management can increase the likelihood of project success by 48% when relevant and current information is available to them regularly.”

(Faulk, 2013)

VISIBILITY FOR CUSTOMERS

Customers, who are often overlooked, should be an integral part of the construction process. Applying a customer centric approach gives them peace of mind that things are progressing as planned throughout the project lifecycle. Using the Glantus software, customers can be provided with access to tailored progress reports and estimated delivery times in a transparent way. The benefits of extending project visibility, enhancing customer experience and putting your customer at the heart of the process, results in greater trust, loyalty and customer satisfaction.

Glantus provides an easy-to-use solution for the end customer, giving them peace of mind that things are progressing as planned throughout the project lifecycle.

3 key issues causing the performance gap in construction – solved



2. Communication flow

Traditionally, the communication flow between project participants is probably the biggest pain point in the construction lifecycle. Fragmented communication exists at each stage of the process and yet the need for clear and complete information is integral to efficient project management. At present, it is the manual systems that are at the core of this issue. The manual approach does not work and increasingly leads to misleading or incorrect project information. When a construction company chooses to upgrade the method in which they handle information and communicate - project management becomes profitable, centralized and streamlined.

“ Industries that are both highly labor-intensive and localized, such as construction, tend to rank lower in usage of digital capabilities, notably in the way they conduct customer transactions.”

(McKinsey, 2017)

As data is collected for the purpose of planning and design to support requirements, issues constantly arise during the process, where it is necessary to connect stakeholders together to make critical decisions when things don't go as planned. In theory, facilitating effective communication between multiple parties



in pursuit of a common goal should be a relatively simple task, but can be the hardest element to coordinate.

Using a system that automates data analysis and provides insights to the people who need them to allow them to make the right decision at the right time, is a much better strategy (Forrester, 2018). It means that companies can make better decisions based on reliable and high-quality information.

The Glantus software allows users to upload data in all formats (voice, video, photo, etc.) captured at site level (on any mobile device). This provides instant access to real-time site information, factors that may be causing delays, and expected completion dates. This reduces complexity in daily work and shows employees opportunities for increased efficiency as well as identifying where risks may lie.

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3. Risk Analysis

For any construction company, compliance is a huge concern. Construction sites carry the pressure and onus of defects in components, the strain of public liability and restrictive insurance requirements. Managing this burden means that good risk analysis is critical. Yet risk analysis has become a major deficiency when information is not available to all stakeholders.

A lack of real time risk management in the planning phase leads to missed opportunities, forecasting, centralized operations and leads to higher costs in the long-term. The Glantus software is extremely effective in real time risk management. It helps to perform various potential scenarios both quickly and efficiently to provide stress testing and future proofed trading.

“ As data volume grows, the need to retrieve actionable insights becomes necessary too. 41% of decision makers want forecasting, allowing them to better prepare for best and worst-case building events.”

(Sage).

Upon project approval, the construction process transforms from a larger project into smaller tasks- with smaller goals having high potential for success. Project plans become project timelines

with potential constraints. Workflow documents become diagrammed key milestones and budget maps expected ROI. Ideally, each element progresses to become a high performing measure. However, as with the nature of projects that are manually processed – delayed risk analysis becomes evident. With heavy reliance on timely manual processes, often it's too late to make modifications to a project that did not execute as proposed and specified in the contract.

In order to combat the performance gap, construction companies look to business intelligence, whereby reports are generated in real-time so major issues can be dealt with quickly and efficiently. In fact, data management software gives project managers full visibility of the progress of each site by enabling real-time dashboards.

“ 48% want to be warned when specific situations occur.”

(Sage)

Glantus centralizes Gannon Home's data in one location. This empowers them to make faster decisions with more accurate data. By automating the collection of data, it has boosted their productivity and freed up resources which they now deploy in more valuable areas of the business. The platform also automates processes that they had previously manually executed. This means they are speeding through regulatory and project milestone checks as they have the real-time data and reports available without

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the risk of human error. This minimizes the chance of delays during the execution of the project. With Glantus, each phase can be seamlessly transformed through BI and automation- defeating the most common hurdles to high performance.



Conclusion

Although advanced levels of automation are still evolving in many ways across all industries, the ability to address everyday challenges that stem from manual activity is where automation is gaining traction. Whether that is intelligent automation replacing repetitive manual tasks or improved interactions with stakeholders, ultimately this technology drives growth and profitability for project managers. BIM can also be used to close the performance gap as it enables visibility and has been identified as a key enabler for delivering better representation of construction projects. Essentially, BI and Automation allows construction stakeholders to become industry experts by making project decisions in innovative and efficient ways.

Indeed, the end goal for any stakeholder is risk reduction, profit maximization and capitalizing on process efficiency. Evidently, traditional reporting and processing alone cannot provide this type of powerful insight for businesses to become transformative. Glantus solves the main three issues facing construction companies by providing access to action-based data organization and visualization. Data becomes a strategic asset and a proven enabler for better business performance rather than a constraint. The heart of the matter is that automation and business intelligence software guides construction companies to transform existing processes, combat fragmented information flow and redefine stakeholder experiences.



See it for yourself:
Arrange a demo at
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