

## Biwater enhances commercial performance of large construction projects with Causeway



Biwater has worked with Causeway to digitally transform data management across their commercial functions, connecting the design, estimating, construction and commercial management of large, complex projects.

The ongoing cost and timeliness of complex fixed-cost programmes is inherently difficult to track and evaluate. The Causeway solution has enabled more efficient delivery of projects through complete commercial control and providing the visibility and governance required to ensure projects do not exceed budgets or overrun programmes.

### Customer:



### Industry:

Water Treatment Infrastructure

### Causeway Solutions:

Causeway's cloud platform enables Biwater's estimating, procurement, planning, commercial, and finance teams to accurately monitor progress and maximise performance across the lifecycle of complex, long-term infrastructure projects. As a result, all business stakeholders have real-time visibility of data, in a single view and can quickly identify and eliminate potential risks to on-time, in-budget completion.

## The Challenges

Biwater identified the key aspects of its collection, comparison, and analysis of project data that could negatively impact project performance and concluded that a holistic approach was required to achieve an accurate, scalable solution.

**“Causeway was a standout leader. Their knowledge of construction and contracting challenges allowed us to form a strategic partnership to transform the commercial management of our projects.”**

Paul Stevens, CEO, Biwater

Successfully executing multi-million dollar projects spanning local sites, regional project management centres, and international executive management requires real time, collaborative, accurate data management and reporting. If data lags, resides in regional silos, or is inaccurate, this will culminate in misinformation on a project's commercial performance and inaccurate feedback to Senior Management responsible for reviewing every Contract under execution across the group companies. This also leads to inefficiencies across project controls in design, estimation, and procurement. Biwater required a solution that was able to accommodate multiple currencies across large scale, complex projects, providing total transparency of budget cost and value performance across a single interface.

## The Solution

Biwater implemented Causeway's Commercial Management solution, a suite of modules that track estimate, budget, cost, value, and change within a single platform. Automated, real-time, customisable performance analytics allow all stakeholders to access data at a granular or high-level according to their needs.

The solution enables seamless integration with other applications across the business where required, connecting internal departments without the need for manual data entry or rekeying.

### One single solution for commercial control:

Optimises visibility, accuracy, and transparency across all pre and post-project phases maximising cash flow and minimising schedule and cost risk through realtime CVR and earned value reporting

### Seamless integration with existing solutions:

Full integration with industry recognised Project programme software (Primavera P6) provides a complete solution to track budget, cost and value against a baseline project GANNT chart programme. This provides a total solution of costs vs budget and "look ahead" forecasting. The alignment of systems and data in this way provides a single source of common data and increases efficiency, eliminating silos of data that are unintegrated and difficult to reconcile.

### Comprehensive data capture and management:

Captures all labour, plant, material, and sub-contractor costs at source with allocation to complex project-specific coding structures. Providing transparency of all project costs, with cost performance evidence available to clients where contractually required.

### Variation monitoring:

Risks, opportunities and changes are identified in real-time before they happen resulting in improved decision making and more accurate forecasting of internal cost and schedule performance indicators, and external value.

**"The strength of Causeway lies in the multi-disciplined speciality tools that bring together estimating, procurement, subcontract, finance and programme management into one solution."**

Paul Stevens, CEO, Biwater

**"Causeway's solutions are uniquely powerful in their ability to ingest, process, and analyse huge data sets required to execute projects at the scale we require."**

Richard Smith, Director - Group Projects & Risk Division Biwater

## The Outcomes

### Commercial control - delivering in time and on budget:

Centralisation and standardisation of data have provided the insight Biwater needs in order to spot potential risks to project deliverables and labour requirements and make the necessary adjustments.

### Risk mitigation:

Causeway's reporting alerts potential risks and the impact on KPIs before they happen. The system automatically analyses data from multiple workflows and budgets against top-level project planning. Visual dashboards alert management teams if there is a need to take action and assist regional teams in order to preserve project delivery and profitability. This means that Biwater is able to effectively manage multiple, concurrent projects internationally from their UK-based headquarters.

### Business continuity and disaster recovery:

An integrated, cloud-based platform ensures that all teams are working together from the same data source improving collaboration and project delivery. Specialist tools within Causeway's Commercial Management solution enable functional experts to perform complex cost value recognition, data analytics, and reporting. This surfaces valuable insights to achieve project control while also providing a strategic overview of progress from individual projects to company-wide performance. This has enabled Biwater to grow the business in a cost-effective way.

### On-going innovations:

Biwater and Causeway have formed a strategic partnership actively working together to identify new innovative ways to continually digitally transform the business, optimise efficiency, and improve commercial performance.