CROSSLINX
TRANSIT SOLUTIONS

4castplus Case Study: Crosslinx

About Crosslinx

Crosslinx Transit Solutions (CTS) is a design and construction consortium established to deliver and maintain the Eglinton Crosstown LRT – a new 19-kilometer light rail line – Canada's largest infrastructure expansion project to date. The consortium is comprised of four global and local leaders in transportation infrastructure: ACS-Dragados, Aecon, EllisDon and AtkinsRéalis.

4castplus
4castplus.com | sales@4castplus.com

The Challenge

Facing the complexities of a large-scale infrastructure project, Crosslinx Transit recognized the pressing need for robust project controls and cost transparency. Before implementing 4castplus, they grappled with obtaining accurate and timely cost and activity data from their workforce and subcontractors. Work progress and costs were only known after vendor invoices were processed, causing significant delays and hindering stakeholder confidence. Their initial solution comprised primarily of spreadsheets, proved inadequate. Data was manually entered, shared via email, and re-keyed for reporting, leading to inefficiencies and delayed cost recognition.

The multi-billion-dollar Eglinton project, divided into numerous segments and sub-projects, required meticulous documentation of labor, equipment, materials, and progress in real-time. With multiple crews, shifts, and subcontractors involved, the volume of daily data collection and analysis posed a significant challenge for project controls and managers.

The Solution

4castplus simplifies the complexity of project data management, offering robust analytics & reporting tailored to Crosslinx's requirements. Its customizable reporting options, from detailed breakdowns to executive summaries, ensure the project team stays informed.

Instant comparisons of Budget vs. Actual Cost vs. Earned Value highlighted potential issues, while powerful productivity metrics provided early warnings of underperforming subcontractors. This proactive approach would serve to mitigate project delays and minimize risk, keeping the project on track and on budget.

The Results

- **Simplified Time Entry:** Reduced admin work and errors with intuitive timesheets and integrity checks.
- **Flexible Tracking:** Managed roles, tasks, and leave types with automatic cost and rate association.
- **Improved Outcomes:** Delivered on time and on budget with real-time data for faster decisions and transparency

Stats/Interesting Points
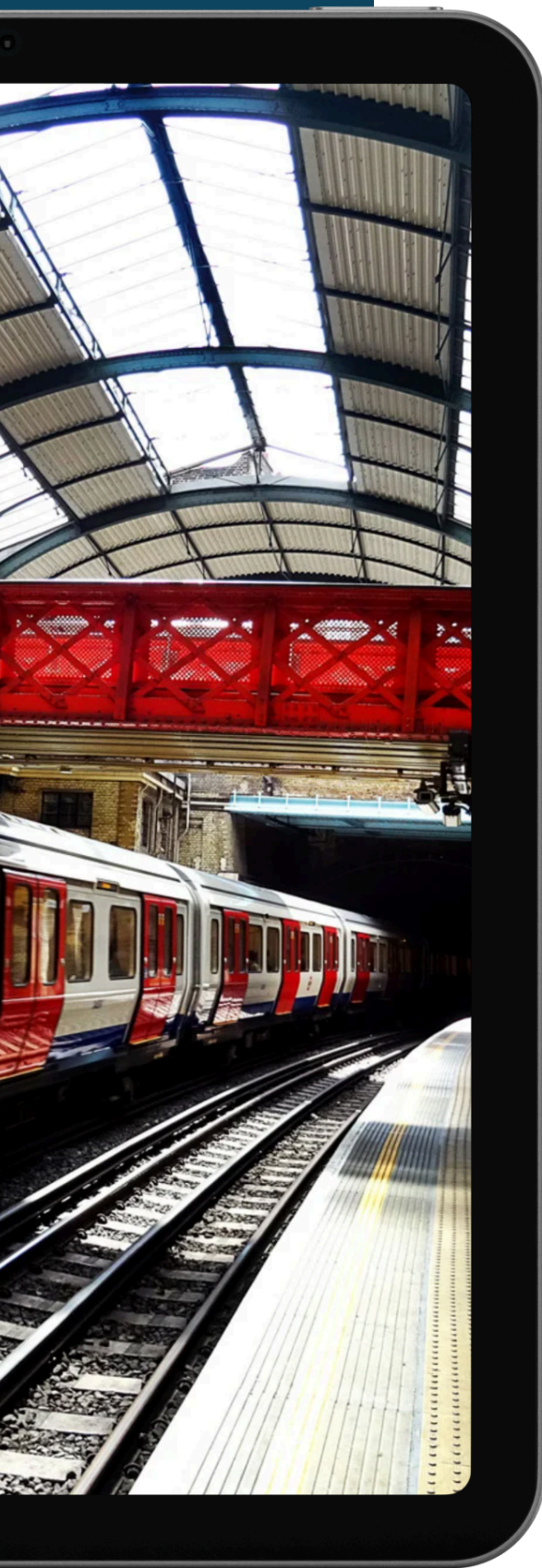
Rigorous Selection Process

The criteria for the selection process were exacting & demanding. The chosen software would have to meet key criteria and offer significant Project Controls functionality, Field data capture, and Timesheets.

Ease Of Use

Crosslinx praised 4castplus for its simplicity, vital for non-technical field personnel. Its user-friendly interface streamlined data input, facilitating accurate cost reporting and greater overall usage amongst all team members.

Collaboration Without Compromise

The Eglinton Crosstown LRT Project was a complex, multi-partner project. The project required a solution that provided a centralized project cost management system, enabling all partners to collaborate in real-time without replacing their existing systems.

Performance Highlights

✓ Streamlined & Intuitive Time Entry

The 4castlus Timesheet module provided an efficient means to capture field labor – greatly reducing the administrative burden on the Crosslinx team. The range of pre-configured fields and integrity checks would serve to minimize entry errors, providing highly reliable data.

✓ Flexible, Multi-Dimensional Tracking

The Project Team was able to log time under multiple roles, tasks, and projects with the system automatically associating the correct cost and billing rates. The ability to manage both vacation, banked time, sick time, overtime, and more would prove to be a great value to the team, reducing the amount of time required to capture and record labor.

✓ Client Satisfaction and Timely Delivery

With 4castplus, Crosslinx Transit can confidently aim for successful project outcomes, satisfying their client, the City of Toronto, with on-budget and on-time delivery. The platform's ability to gather, analyze, and share valuable information has facilitated faster decision-making, contributing to greater project transparency and success.