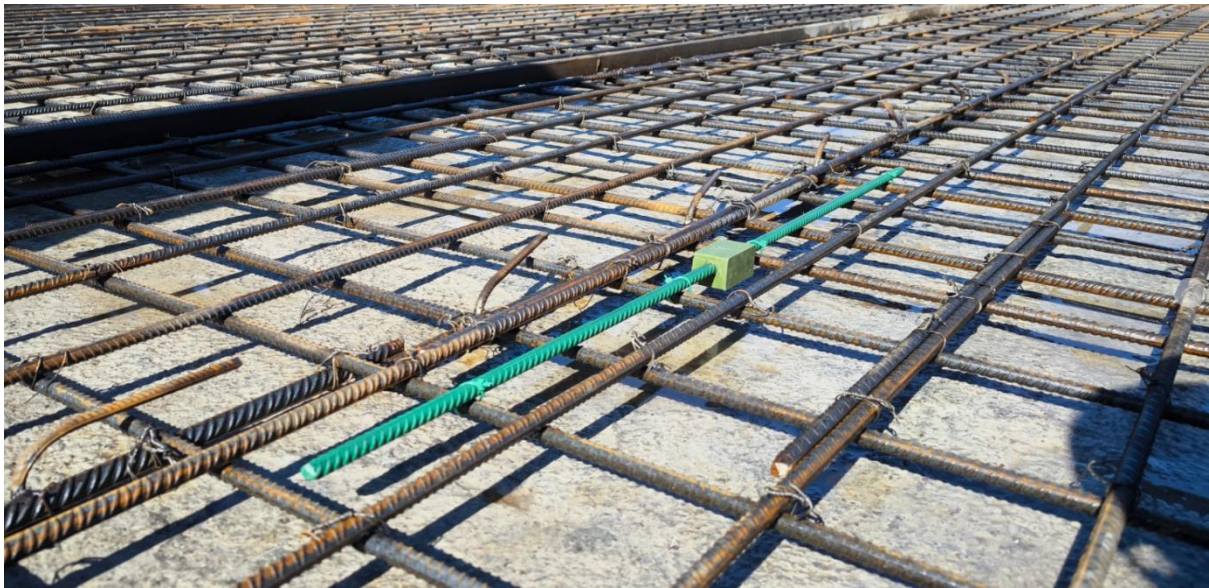


Reducing CO₂ Footprint with SlabControl 5.0

The construction industry faces a significant challenge in balancing safety requirements with environmental responsibility. Overdesign is a common practice to mitigate structural risks, resulting in increased material usage and, consequently, a higher CO₂ footprint. Adventum Tech's SlabControl 5.0 offers a groundbreaking solution to reduce CO₂ emissions while maintaining structural integrity and safety.



How SlabControl 5.0 Reduces CO₂ Emissions

Data-Driven Design Optimization:

SlabControl 5.0 continuously monitors load-bearing capacity, structural deformation, and dynamic behavior in real time.

By comparing actual structural performance data with technical specifications through the LiveLoad.app platform, it becomes possible to identify areas of overdesign and safely optimize material usage.

Minimizing Structural Failures:

In the event of critical structural behavior, SlabControl 5.0 instantly alerts project stakeholders.

Early intervention can prevent superstructure failures, which would otherwise result in unplanned stoppages, costly rebuilds, increased material usage, and potentially fatal accidents—all contributing to a higher CO₂ footprint.



Enhanced Decision-Making through Real-Time Analytics:

The LiveLoad.app analytical platform provides instant insights into structural behavior, enabling stakeholders to make informed, data-driven decisions to enhance safety while minimizing unnecessary material application.



Real-World Impact

SlabControl 5.0 not only enhances construction safety but also directly contributes to sustainability goals. By reducing the need for excessive safety margins and reacting promptly to critical conditions, it ensures resource efficiency and lowers the environmental impact of construction projects.

Let's build safer and greener together with SlabControl 5.0 and LiveLoad.app. Get in touch with us to learn more about implementing real-time monitoring in your projects.



Software Integration

Adventum Tech sensor data is seamlessly integrated into **liveload.app**, offering:

- Real-time data visualization and analysis
- Secure, cloud-based storage
- Project-specific dashboards
- Exportable reports for documentation
- Compliance monitoring



Contact Adventum Tech

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