



Managing construction logistics comprehensively

With BCL|OnSite, BCL has developed its own software solution for the end-to-end management of construction logistics processes. Built on practical experience gained from more than 80 major projects, the platform was specifically designed not only to digitally map complex construction site logistics, but also to actively manage and support on-site operations.

Unlike isolated stand-alone solutions, BCL|OnSite connects all key logistics processes within one central system. Access control, transport management and space management are not considered separately, but coordinated across the entire supply chain. This creates end-to-end transparency across dependencies, resource utilisation, bottlenecks and day-to-day operations.

The software is web-based, flexibly scalable and can be tailored to project-specific requirements. It is continuously enhanced based on real project experience and user feedback. As an integral part of BCL's construction logistics services, BCL|OnSite ensures that digital processes and on-site operational delivery work seamlessly together.



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System architecture and operations

BCL|OnSite is a cloud-based solution for digitally managing companies, personnel, site access, site areas, transports and statutory construction-site documentation.

Web-based access requires no local installation. Granular roles and permissions assign information and functions to the relevant user groups, while security-relevant activities are logged for full traceability.

Data is processed in secure EU data centres in compliance with the GDPR and the German Federal Data Protection Act (BDSG). The application is available in German, English and French.

The web-based architecture gives project participants location-independent access to current information, supporting efficient coordination and rapid responses to changes or disruptions on site.

Mobile app

A mobile application for smartphones and tablets provides direct on-site access to relevant project data and synchronises with the central system.

The mobile application can be used for:



Paper-based checks are reduced, while real-time mobile data capture improves the transparency and traceability of operational processes.



Company and workforce management

BCL|OnSite centrally records and manages all companies and personnel involved in the project. Company master data, personnel information and project-specific documentation are stored systematically.

The software supports:

- Creation and management of company and personnel records
- Assignment of personnel to companies
- Full audit trail of all changes
- Comprehensive search and filtering functions

Personnel data fields can be configured by project, including mandatory, optional or hidden fields. This supports efficient, data-minimised management in compliance with the GDPR.

Clients and project managers gain a transparent overview of all project participants, while redundant data entry and administrative effort are reduced.

Document and compliance management

BCL|OnSite centrally manages company- and personnel-related documentation. Documents can be uploaded, stored, versioned and assigned digitally.

The document status - for example, valid, expired or under review - is available at all times, simplifying compliance obligations and reducing paper-based processes.

The system also manages statutory minimum wage documentation. Requests can be created digitally and sent to companies. Submitted documents are reviewed centrally, while missing or incomplete documentation is systematically tracked.

This enhances legal certainty for clients and supports statutory due diligence obligations, including regulatory inspections.

Access control

The electronic access control system enables the digital management and tracking of personnel movements across the project site. Site entries and exits are recorded and analysed in real time, providing an up-to-date overview of everyone currently present on site.

Qualified personnel on site can also be identified, including:

- First aiders
- Company paramedics
- Supervisors

This improves construction site safety and supports statutory safety requirements as well as evacuation and emergency processes. Project-specific RFID badges can be created and managed to identify personnel. The system supports:

- Permanent site badges
- Day badges
- Visitor badges
- Replacement badges

Layouts, portrait photographs, company logos and project-specific content can be individually integrated. At the same time, the system ensures full traceability of badge issuance and access permissions.

BCL|OnSite also supports the documentation and tracking of violations of site regulations. Measures can be assigned to individuals or companies, recorded in the audit trail and documented transparently.

Space management

BCL|OnSite provides digital space management for the planning, administration and coordination of project-specific site areas. Its objective is to ensure the efficient use of limited construction site space while providing transparent coordination of all site area allocations.

Site and project plans can be stored and managed in the system as a basis for coordination. Site areas are assigned to the relevant plan revision and updated whenever changes occur, ensuring that the site area structure remains transparent at all times.

Different types of site areas can be managed within the system, including:

- Work areas
- Unloading zones
- Parking areas
- Material storage areas
- Special-purpose areas

Site areas can be assigned to companies or users and configured individually. Their status - available, reserved, occupied or blocked - is visible at all times, with all usage retained in the audit trail.

The system also manages site area allocations, reservations, returns and releases. Site area sizes are calculated automatically and analysed by project, providing a reliable basis for project management, controlling and cost allocation.



Transport management

The transport management module enables the digital planning, booking and management of delivery traffic and logistics resources on the construction site. Its objective is to reduce waiting times, resource conflicts and unplanned downtime.

Deliveries can be scheduled digitally and assigned to defined delivery time slots. The system supports:

- Delivery scheduling
- Assignment to companies and projects
- Management of delivery time slots
- Status overviews of scheduled, active and completed transports

Lifting and transport equipment such as cranes, hoists and other logistics facilities can be reserved by time slot. The system identifies and reduces double-booking conflicts.

Project managers gain transparency over transport volumes, resource utilisation and current operations. Comprehensive overviews and analyses support operational management and the continuous optimisation of logistics processes.

Integrated planned-versus-actual analyses enable continuous comparison of scheduled and actual processes. Deviations and causes of delays become visible at an early stage, allowing construction site operations to be managed in a targeted manner.

Reporting and analytics

BCL|OnSite offers comprehensive reporting and analytics functions for the transparent documentation of project-specific processes. Standard reports, search and filtering functions and export options enable the structured analysis of relevant project and personnel data.

The system supports, among other things:

- Presence lists
- Working time overview
- Timestamp analysis
- Badge reports
- Transport statistics
- Project-specific usage analysis

The analyses provide reliable decision-making data for project management, controlling, audits and reporting obligations. At the same time, they improve the traceability of all relevant processes.



Benefits for clients and project stakeholders

BCL|OnSite creates stable and traceable processes within complex construction projects. Supply chains become more plannable, space utilisation more transparent and logistics resources easier to manage efficiently. At the same time, coordination effort is reduced and critical interfaces between project stakeholders are minimised.

Clients benefit from:



By combining digital process management with operational construction site logistics, BCL|OnSite supports the more efficient, safer and more sustainable delivery of complex construction projects.

Let's digitalise your construction logistics together – get in touch!



Daniel Krause

Managing Director

T +49 6142 8737 700

daniel.krause@bcl-baulogistik.com



Wolfgang Abfalter

Regional Director South

T +49 89 74817 470

wolfgang.abfalter@bcl-baulogistik.com



Christian Eichner

Regional Director Central/West

T +49 6142 8737 700

christian.eichner@bcl-baulogistik.com



Sabine Geißer

Regional Director North/East

T +49 30 24088 2660

sabine.geisser@bcl-baulogistik.com



Holger Tolls

Regional Director Switzerland

T +41 58 474 74 74

holger.tolls@bcl-baulogistik.com



Mirko Vrdoljak

Head of Planning

T +49 6142 8737 700

mirko.vrdoljak@bcl-baulogistik.com

BCL|OnSite



BCL Homepage

