



WORKSITE DATA HUB (WDH)

Unified Data Platform for Construction and Worksite Operations

The **Worksite Data Hub (WDH)** is a centralised data platform designed to **collect, store, and process all types of worksite data in real time**. It provides a comprehensive and up-to-date view of project operations, enabling **faster decision-making** and improved **operational control**. WDH is built to integrate seamlessly with existing systems and data sources, using a **flexible and scalable architecture**.



Key benefits

- ± Single, centralised platform for all worksite data
- ± Support for a wide range of data types and sources
- ± Real-time visibility enabling faster, informed decision-making
- ± Seamless integration with existing systems through flexible connectors
- ± Scalable and secure cloud-based architecture
- ± Long-term data storage for analytics, reporting, and compliance
- ± Foundation for data-driven project management and continuous improvement
- ± All-inclusive solution available with a flat monthly rate



Comprehensive Data Collection – “Come as You Are”

WDH is designed to ingest a **wide variety of data types**, including:

- › Structured and unstructured data
- › Documents and reports
- › Photos and visual data
- › Time-series and sensor data

This “come as you are” approach ensures that all relevant information from the worksite ecosystem can be consolidated into a **single source of truth**.

Real-Time Insights & Immediate Action

- › Continuous, real-time data acquisition
- › Instant data availability and analysis
- › Faster response to events, risks, and opportunities
- › Improved responsiveness at both site and management levels

WDH enables teams to move seamlessly from **data collection to action**.

Flexible and Fast Integration

- › Data collected through a **message exchange bus**
- › Incoming data from multiple **nodes and data producers**
- › Custom data connectors developed in-house to meet project-specific needs
- › Rapid onboarding of new data sources

This approach allows organisations to integrate WDH **quickly**, without relying on rigid or standardised interfaces.

Data Acquisition for Your Projects

WDH acts as a central acquisition layer for all project data:

- › Aggregates operational, technical, and environmental data
- › Ensures consistency and traceability across projects
- › Supports both short-term operational needs and long-term analytics

Cloud-Based Architecture

- › Hosted on **BYCN Cloud**
- › Shared WDH cloud environment
- › Long-term data storage for historical analysis, reporting, and compliance
- › Secure and scalable infrastructure

