

MasterAtlas - Returned Concrete Management System

The average volume of returned concrete in North America is approximately 6% of production, with this percentage ranging from 3% to over 10%. Additionally, nearly 20% of loads return with some amount of concrete left over. This equates to millions of cubic yards/meters of concrete, millions of dollars in costs, and millions of tons of CO2 unnecessarily released into the environment. But what if users could reuse that returning concrete instead of simply repurposing or disposing of it?



Profitability increases and carbon footprint decreases.

The Problem: Reusing concrete in a new batch requires specific information to properly treat the concrete and determine where it can be utilized.

- Which team member can easily assess the quantity, age, and temperature of returned concrete? Are they always available to provide this data?
- Who can recommend the correct chemical admixture dosage needed to treat the returned concrete?
- Is all this information clearly and immediately communicated to dispatch and batching personnel? Is it readily accessible?

With MasterAtlas and in-truck sensor systems, users can confidently answer “yes” to all these questions. Master Builders Solutions has a long history of innovation in helping producers manage returned concrete. This latest solution integrates digital, concrete, and admixture technologies, offering a comprehensive approach for concrete producers equipped with truck sensors.

Real results from real users using MasterAtlas Returned Concrete Management System

- Notifications sent to the dispatch team via Microsoft TEAMS improved the visibility of returning loads, significantly increasing the daily reuse of concrete.
- Automatic notifications detailing returning concrete, including recommended chemical admixture dosages, have increased monthly profitability per plant by enabling more concrete to be reused.

Contact your local Master Builders Solutions representative for more information.

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