



# Customer Success Story



# TRANSFORMING MANUFACTURING OPERATIONS WITH iDataOps'

## Executive Overview

Global Metal Forming manufacturer renowned for its concrete construction supplies, Client has expanded nationwide with 13 locations, offering superior products through a robust distribution network of dealers and manufacturing representatives. Committed to quality, service, and competitive pricing, Client sets the standard in construction supplies.

## Challenges

### Diverse PLC Systems:

Client's production floor featured machinery equipped with PLC systems from different vendors. This included a combination of legacy and modern machines, leading to fragmentation and inconsistency in data capture and storage methods. Consequently, machines operated as independent entities in silos.

### Manual Data Entry:

Operators relied on manual data entry via a traveler card desk to input production output, work orders, inventory levels, and machine performance data into the ERP system. This approach posed challenges such as human error, time consumption, resource intensiveness, scalability limitations, compromised data integrity, and security risks.

### Lack of Real-time Data Utilization:

Client's ability to make informed decisions, impacting overall operational efficiency and productivity was hindered. It impacted the monitoring mechanisms resulting in an inability to gauge production efficiency accurately, leading to inefficiencies across production with large downtime and resource wastage.

## iDataOps Solution

### Real-Time Production Monitoring and Analytics with iDataOps

- iDataOps conducted an upfront assessment of the Client's production operations and OT/IT infrastructure to identify potential opportunities.
- Implemented a solution with iDataOps' proprietary iDataOps software platform that integrated seamlessly with multiple third-party vendors, including designing a custom Remote Terminal Unit (RTU) system with live data feeds from the shop floor.
- Integration via iDataOps provided real-time monitoring insights and OEE metrics within 3 weeks.



### Advanced OEE and Equipment Maintenance Dashboards



### Client Results: Post iDataOps Implementation

<b>50%</b>	<b>30M</b>	<b>15%</b>	<b>10%</b>	<b>8M</b>	<b>30%</b>
Reduced Scrap Rate	Additional Revenue From Increased Throughput	Reduced Maintenance	Productivity Increase	Total Annual Cost Savings	Reduced Downtime