

Yard Management Case Study

Yard Management and Shuttle Scheduling for a Major Automotive Manufacturer

The Automotive Manufacturer has to manage inbound loads as well as shuttling parts from one plant to the other, all while utilizing Lean principles of just-in-time delivery.

The operation needs to run like a well-oiled machine to keep the production lines running.

The Challenges

Our client's team was using C3 Solutions' legacy yard system, Yard Smart, to manage moves at and between the two plants. When it came time to refresh their systems, they turned to C3 because we were partners for more than 10 years. They liked and understood the product and felt **C3 was very responsive**.

In addition to inbound freight, there is also a **70-door cross-dock operation that unloads and reorganizes inbound parts for staging on the line**. It's quick and high-volume with more than 50 business processes that require precise timing and organization.

50+ business processes

1700 trailer-capacity

70-door cross-dock operation

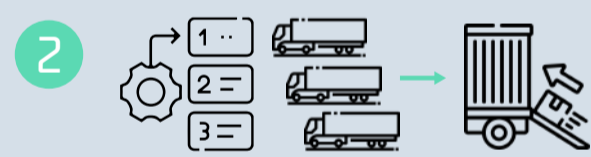
10+ years business with C3 Solutions

THE C3 Solution

Upgrading from Yard Smart to C3 Yard meant that our client was able to integrate the cloud-based C3 system with its own warehouse management and planning systems.

1 They feed C3 Yard with all the information about inbound loads, including timing, load type and the shipping plan – which is **the roadmap for where each item needs to be and when**, under the lean manufacturing principles.

Every inbound part has to be correctly sequenced, with perfect precision to keep the lines running, as there is no inventory held on site.



C3 schedules everything that enters and leaves the yard, all the cross-docking, along with on-site processes such as refueling. As trailers come in, they are sequenced in order to get the inbound materials to the production line on time. Once emptied, they are loaded with outbound returns and reusable packaging.



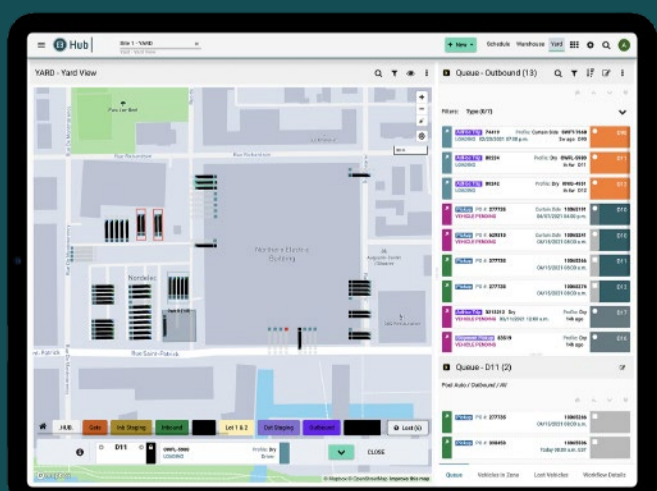
To make that happen efficiently in a yard as huge as our client's, that has an over **1,700-trailer capacity**, C3 Yard finesses the timing of unloading so **the empty trailer can be released and sent directly to the far side of the cross dock for reloading**. This saves time, yard space and labor by eliminating extra moves.



“ This major Automotive Manufacturer had over 50 business processes they needed us to manage across the two facilities. It went so well that we are now constantly implementing new processes for them. It's an extremely strong, collaborative relationship. ”

- Frederick Turcotte
C3 Yard Implementation Team Manager

Conclusion



As a result of the successful implementation of 50 + processes within C3 Yard, the manufacturer is working hand in hand with the C3 team to explore new opportunities to gain productivity and efficiency through automation.

Book a demo now!

