



FULLY AUTOMATED COIL STORAGE MANAGEMENT SYSTEM (CSMS)

JNE provides a complete, fully automated coil storage management system (CSMS), factory-tested and validated.

In today's manufacturing industry, knowing the precise location of your inventory is of the utmost importance. Having an efficient system that quickly retrieves your inventory improves throughput and productivity. For the Steel Industry, known inventory storage location for faster retrieval of coils is integral to efficient operation.

Our flexible and configurable storage and retrieval control system optimizes storage, minimizes handling, and prioritizes workflow.

This system can easily be adapted for slab storage management.



Provided Services

- Storage + Logistics Planning
- Product Tracking
- Crane Automation
- Control System Integrators
- Health + Safety Engineering
- Complete Installation Engineering Services (Mechanical, Electrical, Structural)
- Project Management
- After-Sales Services




On-Site Services

- System and Panel Supply
- Installation Support
- Start-Up and Commissioning Services
- Construction Management
- Certified electricians to support JNE's commissioning needs
- Fabrication Shop for any required structural modifications

EXAMPLE FACILITY LAYOUT

This example identifies some of the aspects of the mass storage systems, including inventory consolidation and storage optimization.

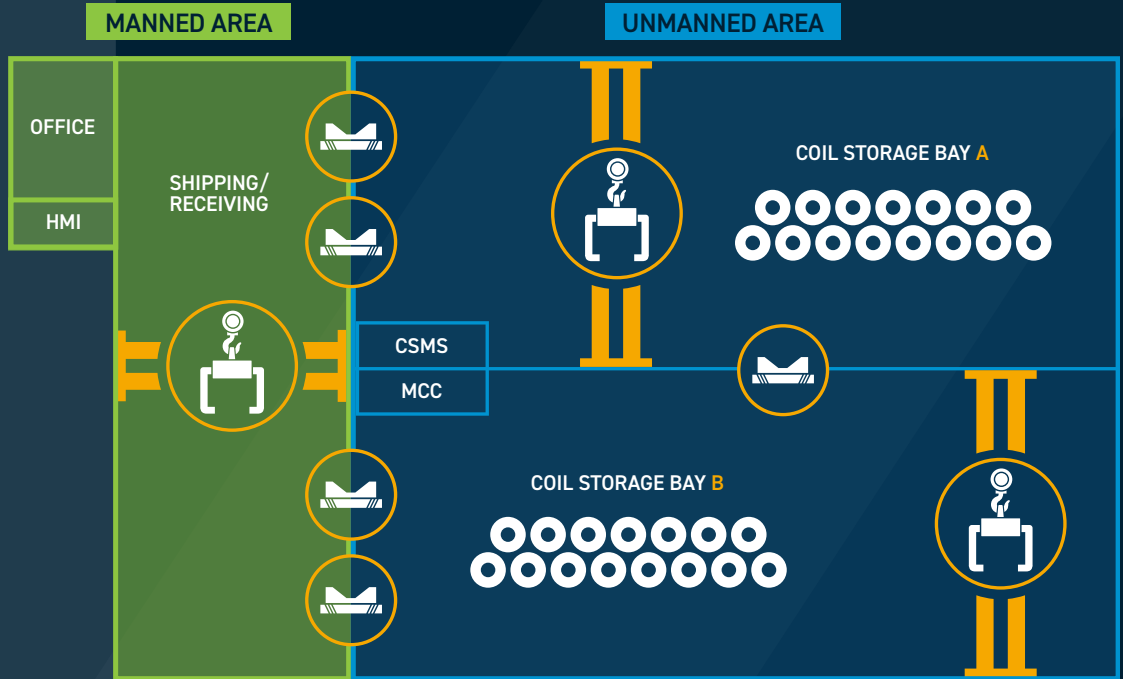
SYSTEM RESOURCES

-  Fully Automated Crane
-  Automated Transfer Car
-  Coil

KEY PROCESSES + FEATURES

- Receive into Facility
- Ship from Facility
- Cross Bay Activities
- Consolidation
- Even Distribution

*There are a total of 82 Processes available in the system.



CSMS = Coil Storage Management System MCC = Motor Control Center

Receive into the Facility

Coils arrive to the facility by truck and are manually loaded onto one of four transfer cars. Each coil carries a unique barcode which is scanned using an RFID device. Information is passed to the PLC (Zone, OD, Width) and from this point onwards coils are stored entirely through automation.



Ship from Facility

If a coil is on the bottom level and requires a dig to take place (1–2 coils on top), the system automatically finds free space for these coils and moves them to their new locations.



Add-On Functions

Even Bay Distribution

Consolidation

Map Management

Zone Allocation