



Enhancing Construction Efficiency and Delivery Coordination with Voyage Control at The Metro

KAST CONSTRUCTION CASE STUDY

The Metro, a distinct 7-story block and plank apartment tower situated in downtown St. Petersburg, Florida, encountered a unique predicament when it underwent an unexpected transformation into a hotel. The absence of on-site parking and designated delivery zones, coupled with limited KAST personnel, intricately complicated the management of deliveries and construction undertakings. However, the integration of Voyage Control yielded substantial advantages that mitigated the challenges tied to deliveries and enhanced the efficiency of construction proceedings. This case study is designed to highlight the benefits seen throughout this project as well as what benefits can be expected from future projects.



Project Background: The Metro – St. Petersburg

The Metro is a 7-story block and plank apartment tower in downtown St. Petersburg, Florida. The project underwent a unique challenge when it was unexpectedly converted into a hotel. With limited KAST staff and no on-site parking garage or designated delivery area, managing deliveries and construction activities became complex. However, adopting Voyage Control presented significant benefits that alleviated delivery-related burdens and improved construction efficiency.



Benefits of Voyage Control at The Metro

Automated Delivery Calendar: Voyage Control automatically closed specific delivery times when any delivery was scheduled, preventing double bookings when no secondary or holding space was available. This feature ensured that resources were optimally allocated and streamlined the flow of construction materials.

Blocking Out Days for Critical Activities: The platform allowed the blocking out of days for significant construction activities such as concrete pours or plank placements. This prevented conflicts and ensured that crucial tasks were carried out without interruptions.

Accept, Reject, or Reschedule Deliveries: The flexibility to accept, reject, or reschedule deliveries as per KAST's prerogative provided greater control over the construction process. It minimized disruptions caused by unscheduled deliveries and allowed better resource management.

Enforcement of Delivery Schedules: Having a documented schedule with delivery windows allowed the team to enforce timings in the field effectively. This feature enhanced construction productivity and reduced delays caused by extended deliveries.

Tagging Resources: Voyage Control's ability to tag resources, such as the material hoist, streamlined deliveries by reserving the necessary equipment along with the delivery space. This eliminated the need for additional coordination efforts.

Anticipated Benefits For Future Sites: X Tampa

The X Tampa project is significantly larger than The Metro and presents unique challenges related to limited on-site staging zones and extensive amenities. By leveraging Voyage Control at X Tampa, several valuable benefits can be anticipated:



Crucial Delivery Coordination: With a limited or non-existent secondary staging zone, Voyage Control's delivery scheduling and coordination capabilities will play a pivotal role in avoiding double bookings and ensuring seamless material flow.

Real-time Gate Keeper Monitoring: Equipping the gatekeeper with an iPad connected to Voyage Control allows real-time monitoring of deliveries. Any unregistered truck will be promptly denied access, enhancing security and ensuring efficient gate management.

Advanced Tracking and Documentation: The team at X Tampa plans to explore Voyage Control's advanced tracking features, including monitoring delivery timeslots and content. The possibility of integrating shop drawings and approved product data further enhances documentation and project management.

Hoist Management Platform Integration: Utilizing Voyage Control's Hoist Management platform in place of call boxes for the three hoists ensures smoother operations, reducing wait times and optimizing hoist utilization.

The successful implementation of Voyage Control at The Metro showcased its immense value in streamlining delivery coordination and optimizing construction efficiency. Voyage Control anticipates numerous benefits of utilizing the system and addressing unique challenges that can drive even greater value. With Voyage Control's comprehensive delivery management capabilities, X Tampa would be poised to achieve a higher level of construction efficiency, ensuring successful project delivery in the heart of downtown Tampa, Florida.



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