



Monitoring For Container Cranes - INDUSTRY 4.0 - IIoT

ABOUT THE ORGANIZATION

The main operator of ports in Morocco.

SUMMARY

The port's container terminal operator at one of Morocco's main ports prioritizes production, efficiency, and innovation. The operator's activities in these areas are enhanced by ZEN NETWORKS monitoring services.

CHALLENGES

The terminal operator is always striving to enhance its operations to fulfill its productivity, cost management, and service level goals. At the same time, the firm is committed to ensuring the safety of its workers. To improve the terminal's uptime and service levels, the operator was required to organize repair activities so that high-capacity periods were not disrupted. Crane monitoring of the port's cranes was recognized to give the data needed to drastically decrease unscheduled maintenance and improve terminal uptime.

- To have a real-time view of crane metrics and be notified in the event of material malfunction;
- To cut down on unscheduled maintenance;
- To save costs while maintaining a high quality of service;
- To ensure the safety of staff;
- To improve the terminal's uptime.

SOLUTIONS

[Zen Networks](#) has created a solution to monitor cranes that works with Siemens Automate. For this project, thanks to its extensive expertise in the development they used a tailor-made script to connect the Siemens automate.

BENIFITS

- ✓ Reduction of unplanned downtime;
- ✓ Increased productivity;
- ✓ Increased crane availability;
- ✓ Reduced maintenance costs;
- ✓ Improved cost control;
- ✓ Enhanced worker safety.

WHY ZEN NETWORKS?

We've taken our significant experience with industrial IoT solutions and applied it to a new consumer-oriented offering. Zen Networks has a long track record of success, demonstrating that we match our customers' needs and build future solutions based on developing trends.