

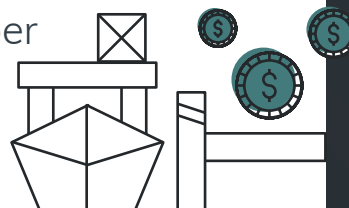
PORTS

To solve the problem of remaining efficient and competitive in a real-time world, ports must modernize the technologies they use to move, track, and monitor cargo.

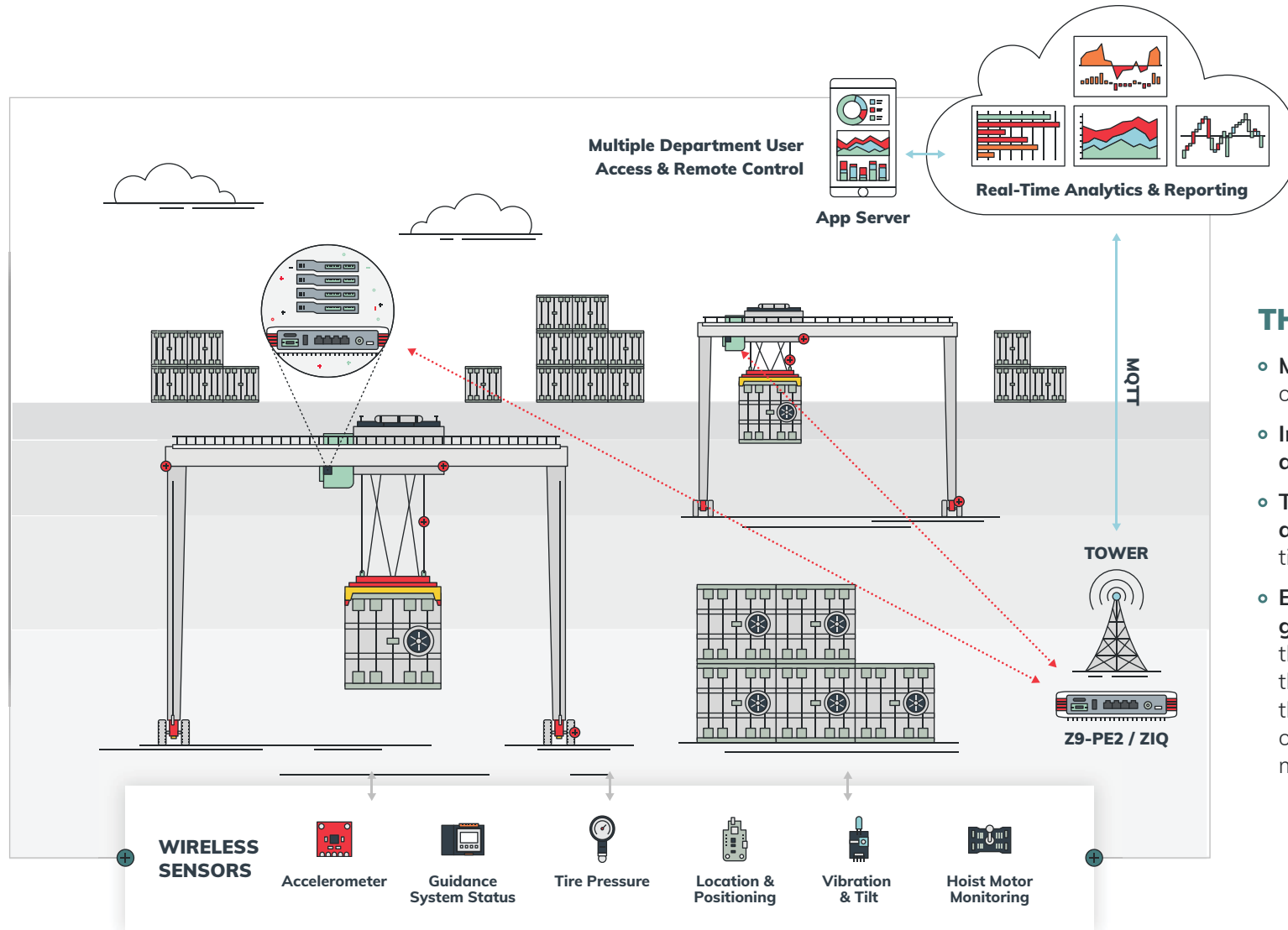
FreeWave's ruggedized, low-power platform is made to operate continuously in the harsh portside environment and integrates seamlessly with legacy devices to enable a true IIoT implementation, powering applications for real-time asset tracking, remote condition monitoring, autonomy, and more.

Technologies that enable shipping companies and the port to **save even 1 hour of berthing time** can amount to almost **\$80,000 in savings** for ship operators, and enable the port to increase the number of ships docked per day.

—IBM, 2018



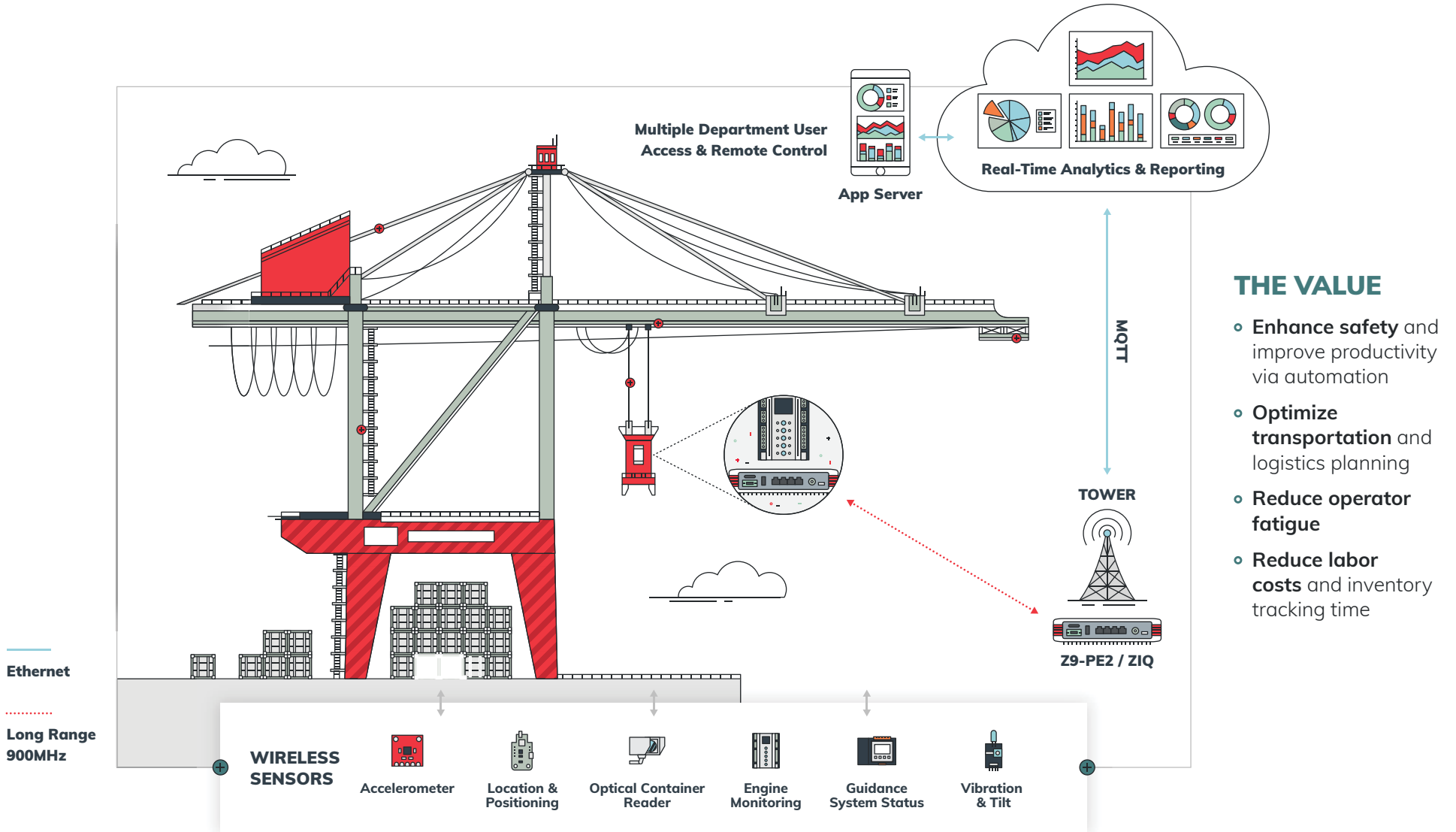
Hoist & Trolley Management



THE VALUE

- Modernize BMS operations
- Improve employee and occupant health
- Track movement of assets through to timely shipments
- Ensure protection of goods from damage, theft, spoilage, etc. through the around-the-clock tracking of assets via sensor monitoring

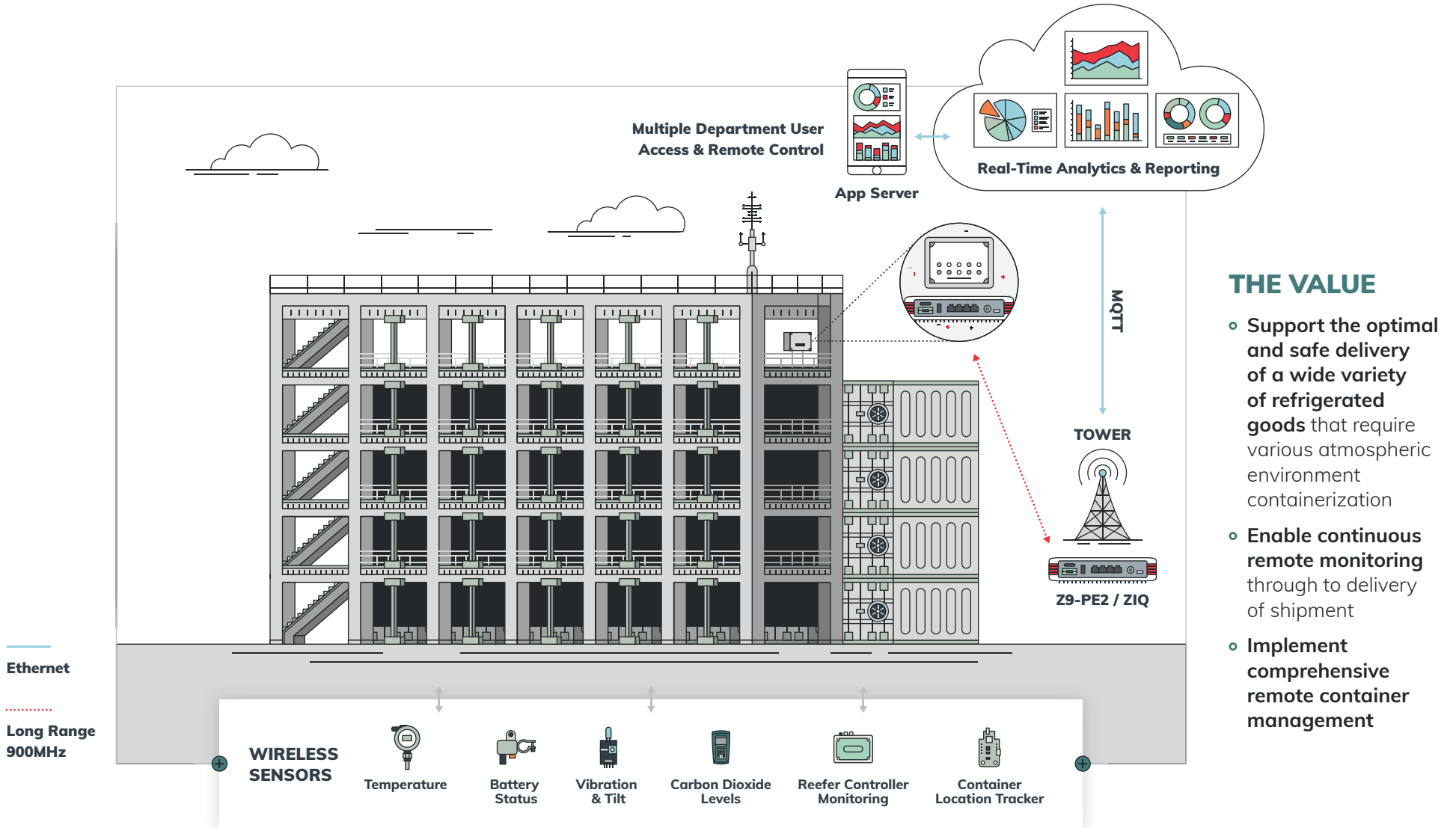
Crane Automation & Control



THE VALUE

- Enhance safety and improve productivity via automation
- Optimize transportation and logistics planning
- Reduce operator fatigue
- Reduce labor costs and inventory tracking time

Refrigerated Container Management



THE VALUE

- Support the optimal and safe delivery of a wide variety of refrigerated goods that require various atmospheric environment containerization
- Enable continuous remote monitoring through to delivery of shipment
- Implement comprehensive remote container management