System Overview:

The general scope of this project is the automation of certain processes involving receiving, storage, picking, sortation and shipping of goods and supplies from an off-site warehouse to the new SMRC hospital. The intent of this warehouse is to store approximately six months of the hospital’s requirement of these items. Periodically, orders for various items will be placed by the hospital and fulfilled by the warehouse. These orders will include certain general supply items to replenish the individual hospital rooms and specific department needs, as well as the hospital’s on-site storage area. Batches of orders will be picked from various areas of the system. Items will be placed on the conveyor and transported to a shipping sorter. The shipping sorter will distribute the items among the chutes that represent individual orders within the active picking wave. Operators, at the discharge ends of the chutes will pack the chute’s contents into a tote (on rolling carts) for shipment by truck to the hospital.
Business Challenges:
- Delays with construction of the facility
- International Shipping (logistical challenges)
- First project in the Middle East (new culture and business practices)

Key Technologies:
- Conveyor System(s)
- Storage Equipment (racks and shelves)
- RF System
- Pick-to-Light System
- Structures and Enclosures (mezzanines, security fencing, etc.)
- Totes and Carts (supplied by others)
- Receiving Sorter
- Shipping Sorter

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