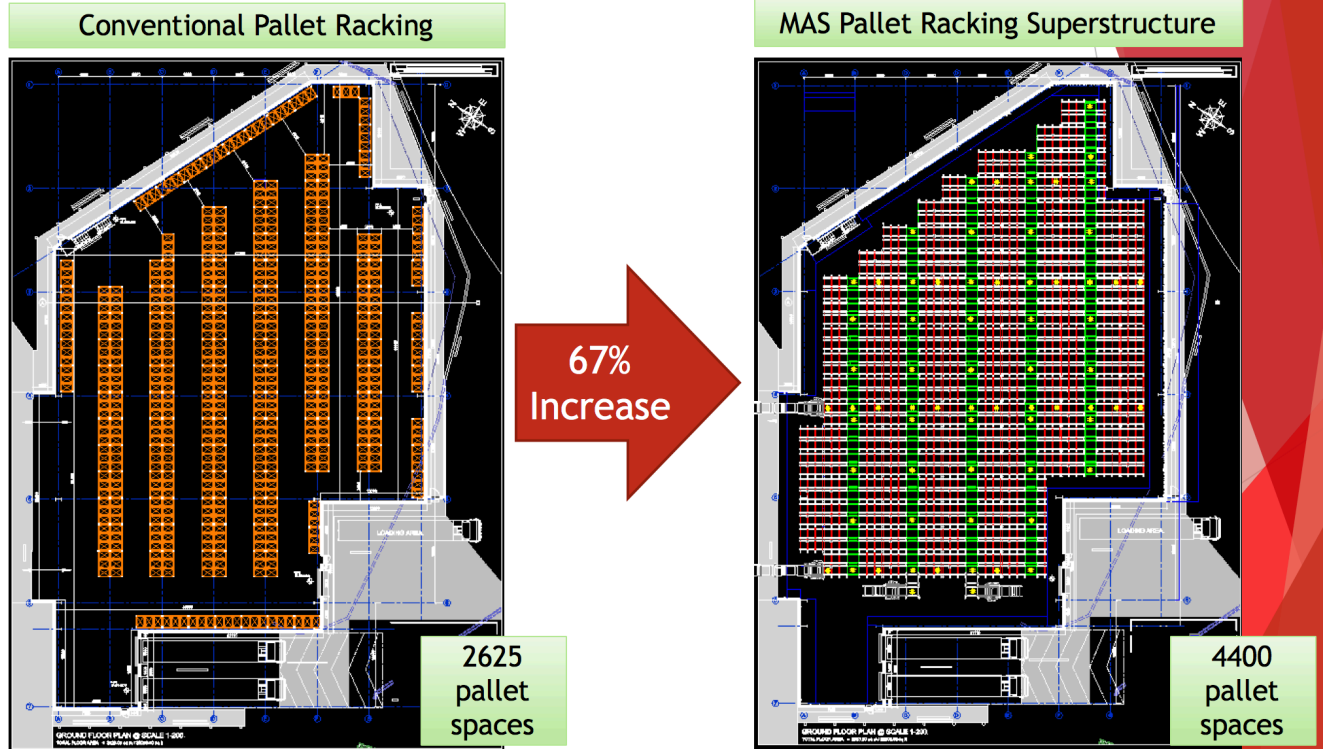


Increased Storage Density



Reduced Operating Costs - Customer X

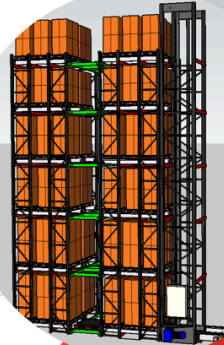
Customer details

- 60 pallets per hour
- Multi-height order picking required
- 250 SKU's
- Pallets Heights ranging from 40" - 80"
- Both 48" x 32" and 48" x 40" pallets handled
- Pallet weight up to 2750 pounds

Conventional Pallet Storage Layout	AS/R System Layout
2625 pallet spaces	4400 pallet spaces
8 Reach Trucks	1 Forklift
8 operators	1 operator
7 hour working period	24 hour working period
\$640K Offsite Storage Required	No Offsite Storage \$ Cost
High Property Tax & Energy Cost	Low Property Tax & Energy Cost

Benefits of an AS/R System

- ▶ Increased storage Density
- ▶ Maximum load lifted to maximum warehouse height
- ▶ No requirement for super flat flooring unlike other high bay systems
- ▶ Reduced warehouse traffic = improved warehouse safety
- ▶ Turn Key solution which can fit inside existing warehouses
- ▶ Efficient and Ergonomic order pick face system
- ▶ Reduced energy consumption (no machine counterweights or warehouse lighting)
- ▶ Interconnected racking structure = improved storage stability and safety
- ▶ Reduced Salary Overheads
- ▶ Improved Pallet security
- ▶ 20 year life span
- ▶ Zero racking damage
- ▶ Easily Integrated to existing ERP systems
- ▶ System will automatically maintain a pre programmed stock management system such as FIFO or LIFO



Benefits of an AS/R System

- ▶ Multi-Directional pallet shuttles
- ▶ 3300 pound lift capacity
- ▶ No lift height restrictions
- ▶ Improved floor loading distribution
- ▶ Basic MRP system as standard
- ▶ System is modular and can be easily expanded
- ▶ Pallet shuffling programmed to allow all pallets to be accessed at all times
- ▶ Shuttles can be added or removed to match throughput fluctuations
- ▶ Automatic Charging
- ▶ Pallet preparation prior to busy periods
- ▶ Low Maintenance Requirements

