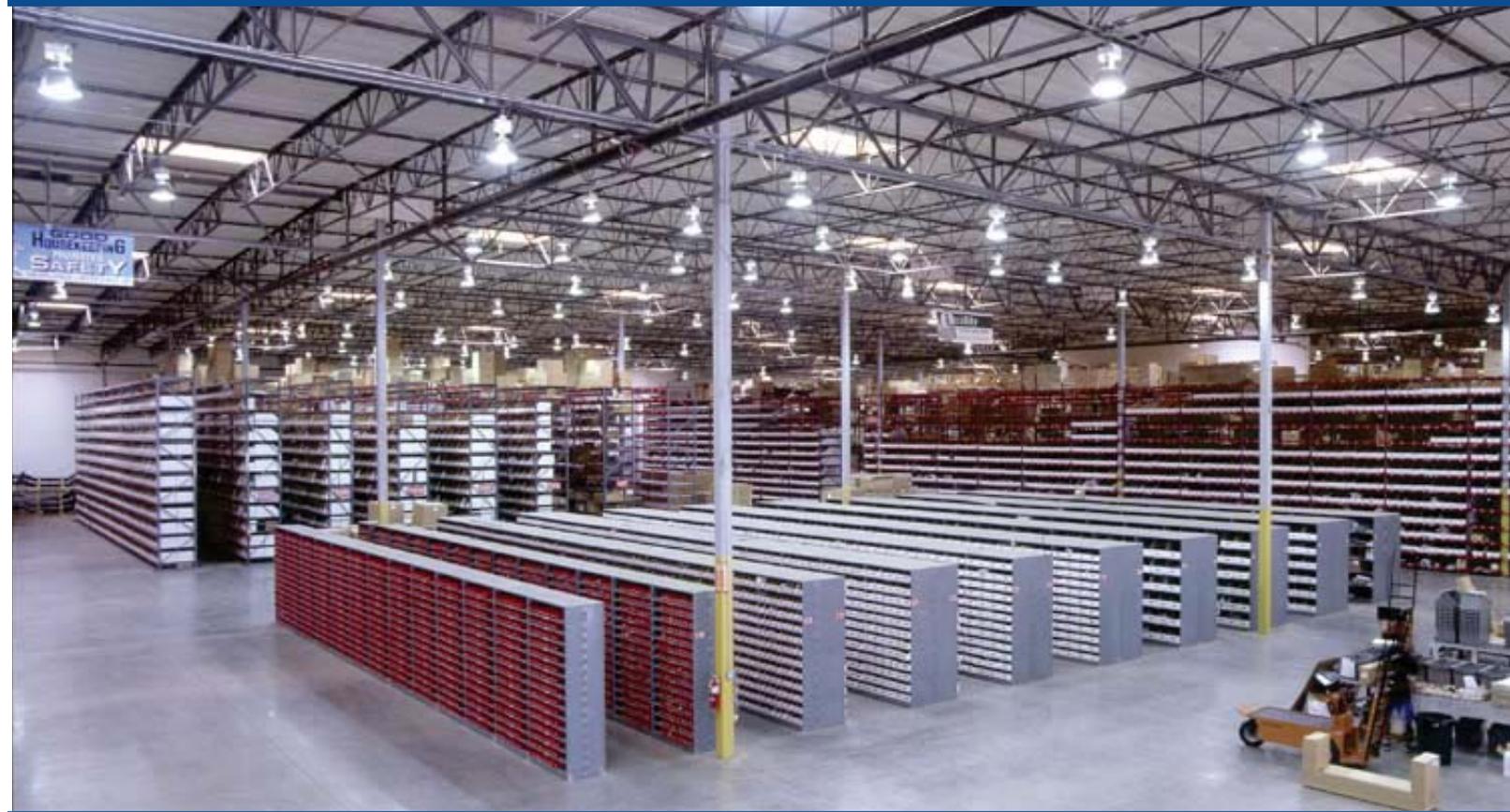


**OPTIMIZED  
WAREHOUSE  
SOLUTIONS**



## **Advanced Warehouse Optimization through Superior Warehouse Design Tools**



**OWS's services ensure that all aspects of your facility are optimized for peak performance, whether it's expanding an existing facility or moving to a new location. Our use of SKU analysis, slotting tools and understanding of government regulations provides our customers a comprehensive understanding of the inputs and requirements of a warehouse design and ultimately how they affect warehouse performance. Our services provide the knowledge, tools and design to support successful project execution, on time, and on budget.**

## About Us

Since 2000, OWS has designed over 20,000,000 square feet of warehouse facilities. We enjoy working relationships with businesses ranging from startups to leading Fortune 500 companies. **Our experience includes auto parts, military defense, medical supplies, cosmetics, personal care products, garments and food & beverage.** We apply material handling industry standards and maintain a suite of tools that support the planning and design of the most challenging warehouse operations.

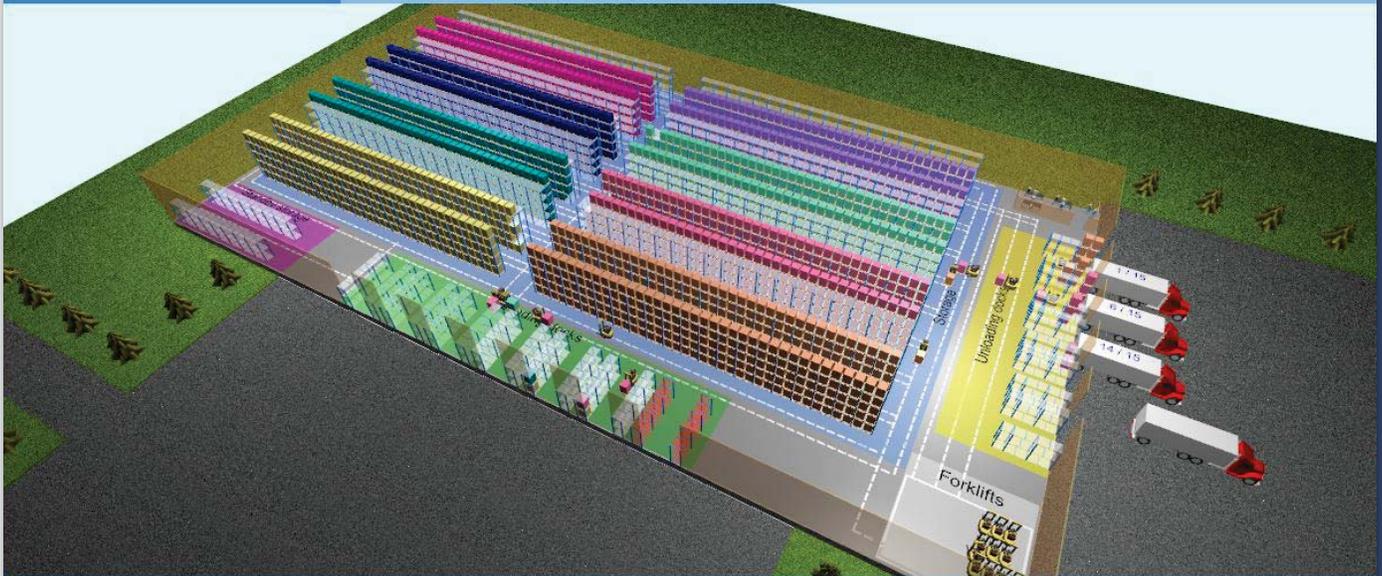
**OWS's** experienced staff is **knowledgeable of government codes, ordinances and regulations** and how they affect the storage design and warehouse operations. Each facility is analyzed to ensure that it meets current UBC, NFPA and Handicap Accessibility codes. Our final drawing and report detail any deficiencies that a facility may have.

**OWS's** approach to warehouse design begins with a product(s) and facility analysis to identify the most cost effective storage solution. **Each product SKU is analyzed for its velocity, fire rating, weight, size and client category or zone.** Once the analysis is complete, we are capable of presenting current and future operations that will demonstrate the optimal storage solution.



## The Benefits of Our Services

A criterion often seen in warehouse design is to maximize pallet positions for the least amount of cost. Historically, we have seen that not optimizing the design first will have the opposite effect. **The actual cost of the material handling equipment is relatively inexpensive versus the cost of the operation.** Understanding how each SKU affects a customer's business has a greater economic impact on their bottom-line than the cost of the equipment. The same can be said on a building purchase or lease. Not complying with applicable government codes for high pile storage or storage racks can quickly erase the gains of the best negotiated lease. **Using our systems and tools enables our customers to make critical capital decisions from a place of knowledge and assurance instead of fear and uncertainty.**



Forklifts   
 Arrival rate of unloading trucks, per hour   
 Truck capacity   
 Create orders

per unload dock   
 Arrival rate of loading trucks, per hour   
 Minimum order size   
 Amount of orders

per order assembling   
 Arrival rate of orders, per hour   
 Maximum order size

## Services Provided

### Facility Analysis

Warehouse Design	Labor
Slotting	Security & Safety
Simulation	Warehouse Management Systems
Government Regulations	Forklift Requirements & Specifications

### Warehouse Designs

Full Pallet Storage	Mezzanines
Primary Pick Locations	Shelving
Pick and Pack	Multilevel Storage Systems
High Capacity Storage Systems	Inbound & Outbound Requirements (Dock Area)
Conveyors	Forklift Needs

### Facility Relocation

Facility Needs and Requirements	Storage Solutions
Material Handling Needs	Budget and Timeline
AutoCAD Drawings	Slotting
Project Management	Analysis of Existing Equipment

### Facility Expansion

Space Utilization	Slotting
Labor Requirements	Storage Solutions
AutoCAD Drawings	Budget and Timeline
Material Handling Needs	Government Regulations

### Code Compliance

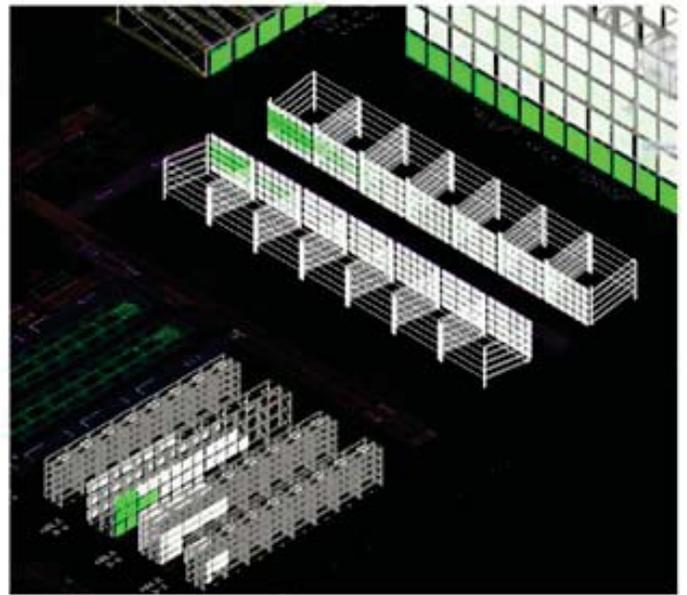
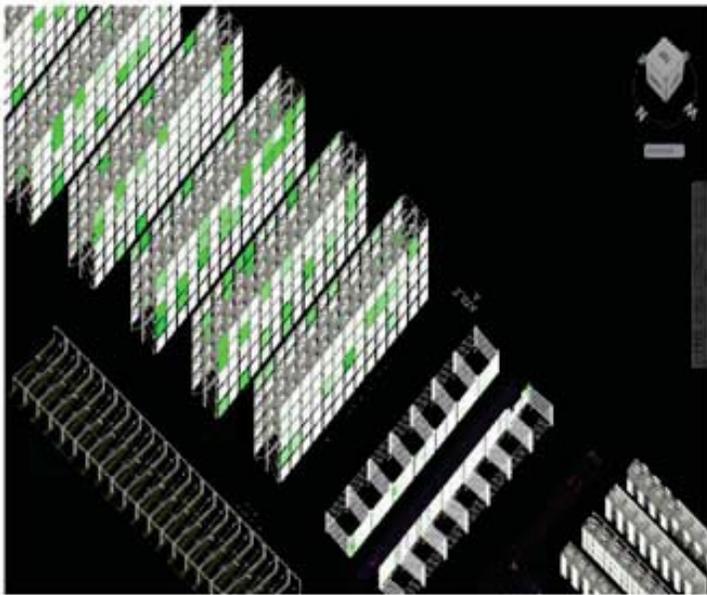
High Pile Storage	Handicap Accessibility
Structural Engineering	Engineered Drawings

# OPTIMIZED WAREHOUSE SOLUTIONS



*Simply put, OWS's mission is to provide our customers with the knowledge and tools to be more productive, more efficient and more profitable*

## Unslotted vs Slotted



Fastest Moving Items



Medium Moving Items



Slow Moving Items

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