

Industrial Manufacturer Doubles Storage Capacity with a Warehouse Mezzanine

An industrial manufacturer needed more storage for manufacturing components but had no room to expand outward. Southwest Solutions Group installed two shelf-supported warehouse mezzanine systems that used overhead space to double storage capacity within the existing footprint.

INDUSTRY

Industrial

Completed for an industrial manufacturer storing components used in its manufacturing processes.

LOCATION

Houston, TX

Completed for a manufacturing operation in the Houston metro area.

FACILITY TYPE

Industrial Manufacturing

The project supported storage needs tied to engineering and manufacturing operations.

SOLUTION

Warehouse Mezzanine

The warehouse mezzanine systems used vertical space to increase storage without expanding the floor area.

PRODUCTS USED

Shelf-Supported Warehouse Mezzanines and Industrial Shelving

Industrial shelving uprights supported the mezzanine structures while static shelving provided organized storage for manufacturing components.

OPERATIONAL GOAL

Double Storage Capacity

The goal was to double storage capacity without automation or building expansion.

THE PROBLEM

Industrial Manufacturer Needed More Warehouse Storage

An industrial manufacturer was running out of floor space for components used in production. The facility could not expand outward, so the company needed a cost-conscious way to increase storage capacity without adding automation.



BEFORE

01

Limited Floor Space

The customer needed more space to store materials used in manufacturing. Expanding the storage area outward was not possible.

02

Single-Level Storage Was Full

The existing single-level shelving could not provide the additional capacity the operation needed. The facility needed to store more parts within the same floor area.

03

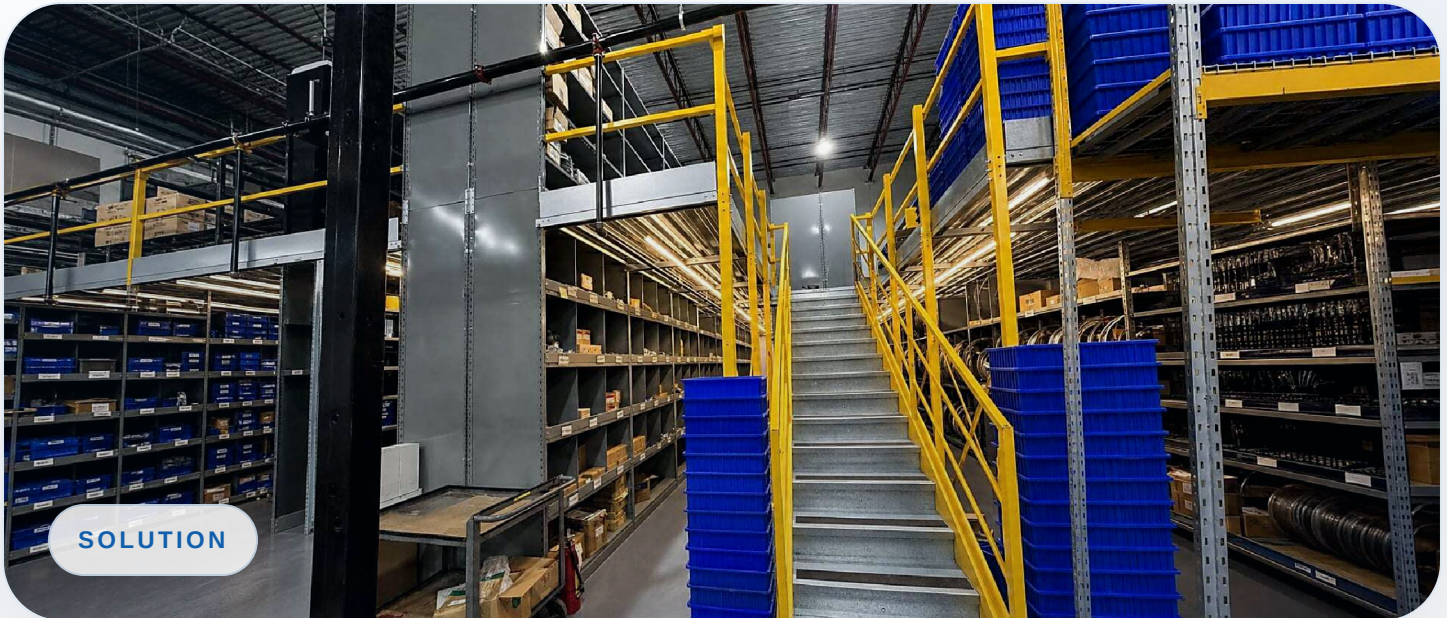
Cost Sensitivity

The customer wanted to avoid automation and keep costs practical. The selected solution needed to add storage by using the building's available vertical space.

THE SOLUTION

Warehouse Mezzanine Doubles Storage Capacity

Southwest Solutions Group made use of overhead space by installing two shelf-supported warehouse mezzanine systems. Each system combined an elevated mezzanine level with industrial shelving below. The shelving uprights supported the mezzanine structure, which helped control costs, and the shelving layout was customized for the components being stored.



SOLUTION

WHAT WE INSTALLED

Two Shelf-Supported Warehouse Mezzanine Systems

The two shelf-supported warehouse mezzanines combined elevated storage with industrial shelving. This created additional storage above the same floor area instead of taking up more space.

WHY IT FIT

Added Capacity Without Automation

The manufacturer wanted to avoid automation and keep costs practical. A shelf-supported mezzanine met that need by combining industrial shelving and structural support in one storage system.

OPERATIONAL IMPACT

Industrial Shelving Matched Component Sizes

Southwest Solutions Group customized the industrial shelving around the different parts the manufacturer needed to store. This created a more organized component storage layout within the same floor area.

Installing Two Warehouse Mezzanine Systems

Southwest Solutions Group installed two shelf-supported warehouse mezzanine systems within the existing manufacturing space. The work included fitting the mezzanine and industrial shelving layouts to the available floor area and the parts being stored. Installation was completed from May 21 through May 31, 2024.

01

DISCOVERY & SITE SURVEY

Confirmed the Space Constraint

The team reviewed the manufacturer's need for more component storage and confirmed that the facility could not expand outward. The warehouse mezzanine plan focused on using unused overhead space.

02

MEZZANINE & SHELVING LAYOUT

Planned Shelving Around Stored Parts

Southwest Solutions Group developed layouts for the warehouse mezzanine systems and configured the industrial shelving around the stored components. The design added capacity while keeping materials organized and accessible.

03

SUBMITTALS & APPROVALS

Prepared Project Layouts

Project drawings showed how the two warehouse mezzanines and shelving layouts would fit within the available manufacturing space.

04

FABRICATION & DELIVERY

Coordinated System Components

The shelf-supported mezzanine structures and industrial shelving components were coordinated for delivery and installation. Each system combined elevated storage and static shelving within one layout.

05

INSTALLATION & TRAINING

Installed the Warehouse Mezzanines

Installation crews assembled the two shelf-supported warehouse mezzanine systems and industrial shelving. The completed layout added storage capacity without increasing the floor area.

06

MAINTENANCE & SUPPORT

Supported Ongoing Storage Use

Southwest Solutions Group remains available for service, parts, repairs, and future storage reviews. The warehouse mezzanine systems provide a lasting way to use vertical space for component storage.

RESULTS

Warehouse Mezzanine Doubled Storage Capacity

The manufacturer doubled storage capacity by using a warehouse mezzanine solution instead of expanding outward. The two systems added vertical storage without increasing the existing floor area.

PRIMARY OUTCOME

Doubled Storage Capacity

The two warehouse mezzanine systems doubled storage capacity within the same footprint. The manufacturer gained more room for components without adding floor space.

WORKFLOW

Components Stayed Close to Production

The added storage remained within the existing manufacturing area, keeping components close to production. The industrial shelving was configured around the parts being stored.

ORGANIZATION

Configured for Different Components

The industrial shelving was customized for the different components the manufacturer needed to store. This created a more organized layout than a standard shelving arrangement.

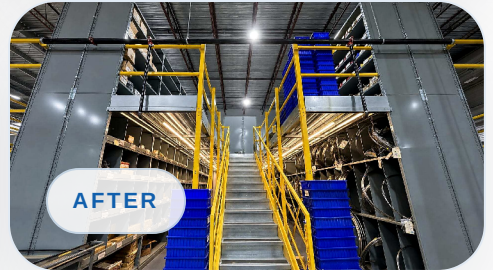
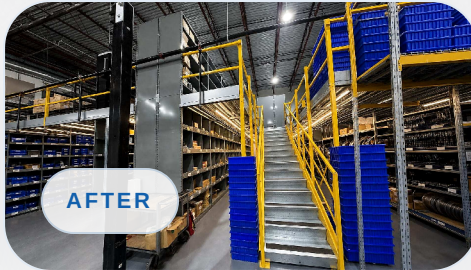
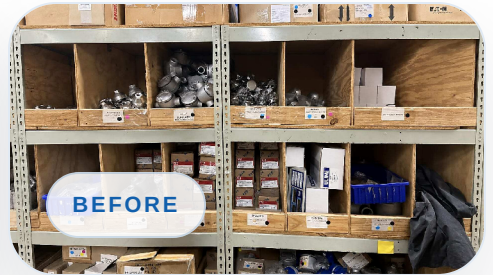
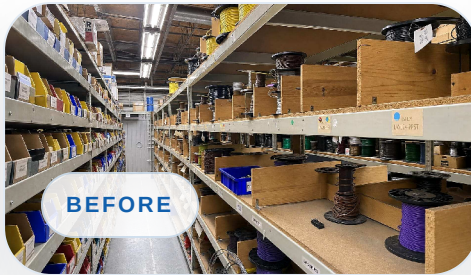
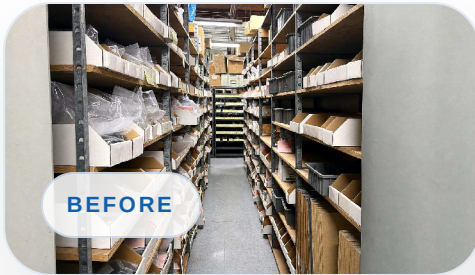
LONG-TERM VALUE

Unused Vertical Space Became Storage

The shelf-supported warehouse mezzanines converted unused overhead space into productive storage. Using shelving uprights to support the mezzanine structures also helped control project costs.

Before and After Warehouse Mezzanine Installation

These images show the original storage area and the completed shelf-supported warehouse mezzanine systems with industrial shelving.



READY TO SOLVE A SIMILAR PROBLEM?

Need More Storage Without Expanding Your Facility?

Southwest Solutions Group designs warehouse mezzanine systems that use vertical space to increase storage within existing facilities.

Talk with our team about shelf-supported mezzanines, industrial shelving, and a storage layout designed for your materials, space, and budget.