



## Optimize Packaging and Storage Capacity

### PROJECT SUMMARY

**End User:** ZF Services, LLC, Vernon Hills, Illinois

**Facility:** Remanufacturing facility

**Objectives:**

- Increase packaging capacity
- Design accommodates
  - Material
  - Fork trucks & pallet jacks
  - Loading docks
- Optimize existing facility footprint to stay in current facility



**Project Partner:** Container Systems, Inc.

## OVERVIEW

ZF Services, LLC, the aftermarket business unit of ZF Friedrichshafen AG, is a global leader in chassis and drive line technology as well as active and passive safety technology. The Vernon Hills facility is a supplier of remanufactured transmissions for passenger car, commercial vehicle, agriculture and wind applications, as well as a supplier of ride control, suspension and drivetrain products.

### Project Needs:

Cost effective way to increase distribution capacity and efficiently utilize all the available warehouse space to avoid moving to a larger facility. The solution adds packaging capacity and meets specific technical requirements including floor loading, column spacing and clear height for "monster trucks."

## SMART SOLUTION

Design a custom engineered work platform to increase distribution capacity by efficiently utilize existing floor space. The free standing platform design added packaging and storage capacity.

<b>Size:</b>	9,950 square feet
<b>Framing:</b>	Beam and C Section
<b>Decking:</b>	Roof Deck (18 ga) and ResinDek® MD (3/4")
<b>Accessories:</b>	<ul style="list-style-type: none"> <li>• Handrail</li> <li>• Bi-Slide Gate</li> <li>• IBC Stairs-U shape with landing</li> </ul>
<b>Finish:</b>	Powder paint
<b>Time Line:</b>	12 weeks
<b>Industry Served:</b>	Automotive

## RESULTS

The Steele Solutions work platform allowed ZF Services, LLC to increase packaging capacity and maximize their existing facility footprint to provide an efficient, economical solution.

- On platform packaging and storage areas provide product storage, packing stations and electric pallet jacks to move pallets.
- Under platform space is utilized for storage and additional work stations.
- Design addresses floor loading and column spacing requirements as well as clear height for "monster trucks."
- Accommodates material, fork trucks and loading docks.

ZF Services, LLC selected Container Systems, Inc. and Steele Solutions based on their ability to understand the detailed technical requirements and capacity needs to design a solution that seamlessly integrated with the existing facility footprint. The work platform provided the best, most economical solution to the alternative of moving to a new facility.

