



AUTOMATED STORAGE & RETRIEVAL SOLUTIONS (ASRS)



MCMURRAY STERN

For more than 40 years, McMurray Stern has focused on assisting organizations in a multitude of industries to maximize space and save time by creating solutions for an improved work flow. Whatever your market, we will work directly with you to provide industry solutions that help you be more efficient.

McMurray Stern is an automated solutions integrator specializing in the planning, design, and implementation of storage solutions. Our fully integrated design-build process ensures projects are professionally managed from concept to execution so you have an improved workflow and can more efficiently manage your time, space, materials, and information.

Our capabilities and services continue to expand to get the companies we serve ready for the future. We are proud to call ourselves an industry leader in automated storage solutions.

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WHERE TO START

Whether you're starting from scratch or looking to upgrade your current operation, there are several factors to consider when implementing a new automated warehouse.

AUTOMOTIVE:

Do you have special considerations for just-in-sequence or need additional spare parts storage?

E-COMMERCE:

Are you now having to implement an omnichannel or multi-channel distribution strategy?

GROCERY/ CPG:

Does the ASRS require accurate temperature control or micro-fulfillment?

INDUSTRIAL:

Do you have specific weights or odd shaped units? Or need to meet stringent regulations for storage?

MANUFACTURING:

Are you storing lots of product or need just-in-time assembly?

PHARMACEUTICAL / HEALTH & BEAUTY:

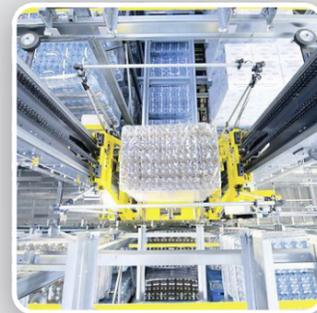
Do you need extra security protections, track and trace capabilities, or temperature considerations in your ASRS?

RETAIL:

Do you need a returns system? Are you focused on brick and mortar, e-commerce, or omnichannel, or need to fulfill from store.

PLANNING YOUR FIRST AUTOMATED WAREHOUSE

For companies who are moving from a manual to an automated system, these are key consideration points that help evaluate your current operation to see what areas you need to focus on with automation.



SPACE:

This refers to the physical constraints of your facility. Should you expand to a new space or find a more efficient use for your current space?



LABOR:

In today's market, labor is becoming difficult to secure. Automating brings security to an ever-changing labor landscape. Furthermore, automation makes it easier to train and provides ergonomic workstations for employees.



ACCURACY:

The accuracy of your system affects the reputation of your business. Moving to automation brings higher levels of accuracy.



THROUGHPUT:

Are you currently getting enough orders out the door? Keep in mind that throughput is amplified by the end results of space, accuracy, and labor. Also, think about peak season too. Make sure your throughput is working for seasonal variances.

MCMURRAY STERN SOLUTIONS:



PALLET SHUTTLE

Standard pallet rack solutions have limited options when it comes to space optimization and location. Our pallet shuttle solution increases your storage space 2x with a quick build out and user-friendly interface.



MICRO-FULLFILLMENT

Our strategic micro-fulfillment solutions are allowing retailers and grocers to provide quicker direct delivery, better accuracy and efficiency for warehouse growth, and automated solutions for products needing temperature-control and speed.



HAIPICK ROBOT

Offering intelligent picking and handling, autonomous navigation, active obstacle avoidance, and autonomous charging. Characterized by its high stability and high precision, the robot can significantly improve the warehouse's storage density and operational efficiency.



FANUC PALLETIZING ROBOTS

Efficiently transporting materials in and out of your manufacturing process can make a big difference in your labor needs, time to market, and your bottom line. Our full line of palletizing robots give you options in terms of size, payload, speeds for cycle time and precision and most importantly, care in handling your products.

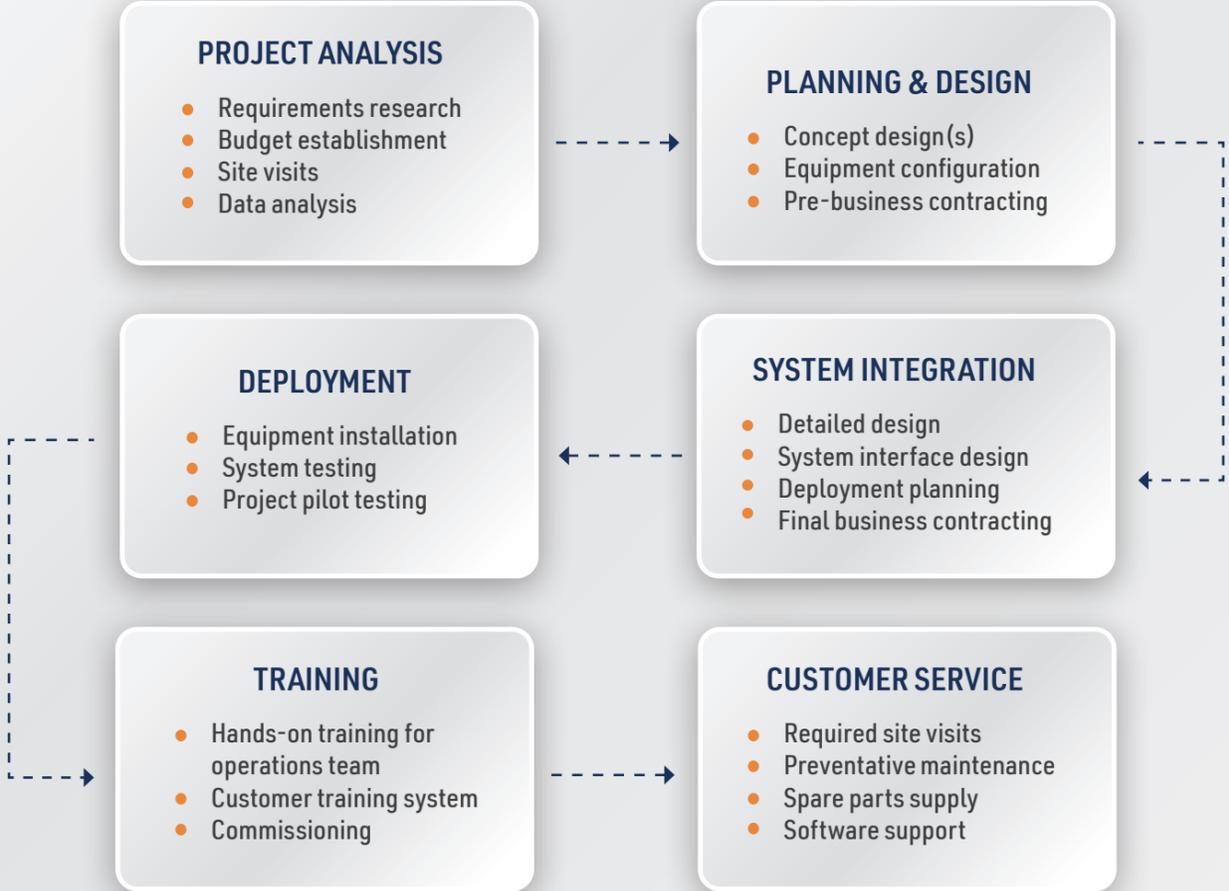
ADVANTAGES OF AN AUTOMATED WAREHOUSE

- Reduce labor overhead while increasing throughput capabilities.
- Streamline product storage while improving inventory organization.
- Achieve higher storage density within the warehouse footprint.
- Improve warehouse safety through optimized material flows and enhanced ergonomics.
- Group frequent movers together, such as popular and complementary products. Items can be stored in specific locations to speed up the picking, packing, and shipping processes.
- Implement warehouse management software to optimize product storage, optimize labor throughput, and picking strategies.

LOOKING FOR SOMETHING ELSE? SEE ALL OF OUR AUTOMATED SOLUTIONS ON OUR WEBSITE OR CONTACT ONE OF OUR STORAGE SOLUTION EXPERTS TO GET STARTED TODAY.

PLANNING PROCESS

The team at McMurray Stern designs storage solutions that are not only functional, but also align with your vision. We'll handle the nuts and bolts of the storage solution so that you can focus on what you do best.



PROJECT ANALYSIS

- Requirements research
- Budget establishment
- Site visits
- Data analysis

PLANNING & DESIGN

- Concept design(s)
- Equipment configuration
- Pre-business contracting

SYSTEM INTEGRATION

- Detailed design
- System interface design
- Deployment planning
- Final business contracting

CUSTOMER SERVICE

- Required site visits
- Preventative maintenance
- Spare parts supply
- Software support

DEPLOYMENT

- Equipment installation
- System testing
- Project pilot testing

TRAINING

- Hands-on training for operations team
- Customer training system
- Commissioning

YOUR PROJECT & OUR EXPERTISE

We will work within your timeline to ensure a smooth installation, from planning to aftercare and maintenance.

By getting involved early, we can identify and address important considerations unique to your solution to ensure the best use of time and money.

The end result is a solution tailored specifically to your needs, including:

- Space planning resources
- Floor loading information
- Tech data resources
- ADA information
- LEED® certification information



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