



How Warehouses Work: a teen's guide to logistics



Welcome to the fascinating inside story of a warehouse. Discover what a warehouse is, who works there, what high tech systems and equipment are used and what the future holds.

Written by **Michael Thorpe**
Warehouse Manager,
Premier Logistics

Imagine a warehouse as a giant, organised cupboard. It's a huge building where goods and products are stored, organised, and eventually shipped out to stores or directly to you as a customer. Warehouses are essential in the supply chain, ensuring that items are available when needed and that they arrive in perfect condition.

Main Activities in a Warehouse

1. Receiving Goods

Receiving is the first step in the warehouse process. This is when items arrive at the warehouse, usually from manufacturers or suppliers. Workers unload the goods from trucks and inspect them to make sure they match the order and aren't damaged. This step is crucial because it sets the stage for everything that follows.

2. Storing Items

Once goods are received and checked, they are stored. This might seem simple, but it's actually a complex process. Items are placed on shelves or in bins and are tracked using sophisticated inventory systems. These systems often use barcodes or RFID (Radio Frequency Identification) tags to keep track of where each item is located. This makes it easy to find things later when they're needed.

3. Picking Orders

When a customer places an order, the warehouse workers go into action. This process is known as picking. Workers receive a list of items that need to be collected and then navigate the warehouse to find them. This step can be quite challenging, especially in large warehouses with thousands of products, but technology, like robots, makes this easier.

4. Packing and Shipping

After the items are picked, they need to be packed. This involves placing the items in boxes,

adding protective materials to prevent damage during transit, and labelling the packages with shipping information. Once packed, the items are ready to be shipped. They're loaded onto trucks and sent off to their final destination, whether that's a store or a customer's home.

Jobs in a Warehouse

Working in a warehouse can be exciting and varied. Here are some of the key roles:

Warehouse Manager

The Warehouse Manager is like the coach of a sports team. They oversee all operations and ensure everything runs smoothly. This includes managing staff, coordinating receiving and shipping schedules, and making sure the warehouse is organised and efficient.

Inventory Specialist

Inventory Specialists are the people who keep track of all the items in the warehouse. They make sure everything is accounted for and in the right place. This job requires attention to detail and a good understanding of the warehouse's inventory system.

Forklift Operator

Forklift Operators drive machines called forklifts that are used to move heavy items around the warehouse. Forklift Operators play a crucial role in keeping the warehouse running smoothly, whether forklifts are manual or automated.

Picker/Packer

Pickers and packers are the heart of the warehouse. They're the ones who pick the items needed for orders and pack them for shipping. This job can be physically demanding, but it's also very important. Without pickers and packers, orders wouldn't get filled, and customers wouldn't get their products. Robotic technology is being introduced to make this role easier, or, in some cases, allow workers to stop picking and packing and train to support the

smooth running of the robotics in the warehouse.



Technology in Warehouses

Warehouses today are high-tech operations. Here are some of the technologies that are commonly used:

Warehouse Management Systems (WMS)

A WMS is a software system that helps manage the day-to-day operations of a warehouse. It tracks inventory levels, orders, and shipments, and helps optimise the flow of goods through the warehouse. A good WMS is essential for keeping the warehouse organised and efficient.

Automation

Many warehouses use automation to help with tasks like picking and packing. This can include things like conveyor belts, automated storage and retrieval systems (AS/RS), and even robots. These technologies can make the warehouse more efficient and reduce the need for manual labour, meaning workers can concentrate on other roles.

Drones

Some warehouses are even starting to use drones to help with inventory management. Drones can fly around the warehouse and scan barcodes or RFID tags, helping to keep track of where items are located. This can save a lot of time and make inventory management more accurate.

Why Warehouses Are Important

Warehouses might not be the first thing you think of when you order something online, but they play a critical role in making sure you get your products quickly and in good condition. Here are some reasons why warehouses are so important:

Ensuring Product Availability

Warehouses make sure that products are available when and where they're needed. By storing goods in a central location, warehouses help ensure that items are always in stock and ready to be shipped out.

Speeding Up Delivery

By having goods stored in warehouses that are strategically located, companies can reduce the time it takes to get products to customers. This is especially important for things like same-day or next-day delivery.

Protecting Products

Warehouses help protect products from damage and theft. By keeping goods in a secure, controlled environment, warehouses ensure that items arrive in perfect condition.

Supporting the Economy

Warehouses provide jobs and support the economy. They play a key role in the supply chain, helping to move goods from manufacturers to consumers. Without warehouses, the economy wouldn't function as smoothly.

The Future of Warehousing

The future of warehousing is exciting, with new technologies and innovations constantly being developed. Here are some trends to watch:

More Automation

Automation is set to play an even bigger role in the future of warehousing. From robots that can pick and pack items to automated vehicles that

can transport goods, the warehouse of the future will be highly automated and efficient.

Sustainability

There's a growing focus on sustainability in warehousing. This includes things like using renewable energy, reducing waste, and designing warehouses that are more energy-efficient. As companies look to reduce their environmental impact, sustainable practices will become increasingly important.

Advanced Analytics

The use of data and analytics is becoming more important in warehousing. By analysing data on things like inventory levels and order patterns, companies can make better decisions and optimise their operations. This can help improve efficiency and reduce costs.

Improved Working Conditions

As technology continues to evolve, working conditions in warehouses are likely to improve. This includes things like better ergonomic equipment, improved safety measures, and more opportunities for training and development. These changes will help make warehousing a more attractive career option.



A Key Role in Logistics

Warehouses are a vital part of the modern supply chain, playing a key role in ensuring that goods are available when and where they're needed. From receiving and storing items to picking and packing orders, warehouses are

complex operations that require a range of skills and technologies.

Whether you're interested in a career in logistics or just want to learn more about how your online orders get to you, understanding how warehouses work is a great place to start. The future of warehousing is bright, with new technologies and innovations set to make the industry even more exciting and dynamic.

So next time you receive a package, take a moment to think about all the hard work and technology that went into getting it to your door.

About the author

Drawing on over 30 years of experience, Michael's role extends beyond warehouse oversight; he embraces site management, HR, and maintains a keen focus on nurturing a cohesive team culture. His ethos centres around effective people management, developing employees to be invested managers in their own right.

Michael has a keen focus on workforce dynamics especially concerning driver regulations and the pursuit of a healthy work/life balance for employees. Recently celebrating Premier's 20-year anniversary, Michael is working towards Managing Director Lee Christopher's five-year plan to grow Premier by 7-10% and becoming renowned as the best employer in the East Midlands.

Information and suggested further reading:

Find out more:

Information

Premier Logistics: [Premier Logistics Services: Leading logistics company in the UK \(premier-logistics.co.uk\)](https://premier-logistics.co.uk)

Careers

Premier Logistics: [Careers | Logistics Company Midlands UK | Premier Logistics](#)

Generation Logistics: [Generation Logistics | Where Talent Meets Opportunity](#)

