



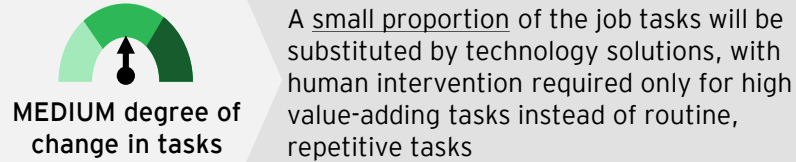


Warehouse Operations Executive / Inventory Management Executive / Warehouse Assistant Manager

Technology solutions impacting this job...

-  Smart Inventory Counting
-  Intelligent Robotic Sorting
-  Automated Storage and Retrieval Systems (AS/RS)
-  Predictive & Prescriptive Maintenance

Impact assessment...



*Within **3 to 5 years**, the role will potentially...*

REQUIRE REDESIGN

Today, this job role is responsible for planning and implementing complex warehouse processes, operations and technology. He/she develops plans to optimise operations, implements quality programmes and coordinates with stakeholders to assist in the management of the department.

Job tasks today	Impact at task-level / Future view of job tasks	
Develop warehousing and inventory management plans	M	<ul style="list-style-type: none"> Smarter forecasting of demand, capacity, and labour through data analytics will significantly optimise planning and resource utilisation. IoT-based devices will provide live sensor data and performance metrics for facilities, equipment and systems which will enable process planning and expedited root cause analysis to improve machine uptime and reduce maintenance cost.
Manage cargo operations including documentation	M	<ul style="list-style-type: none"> RPA and blockchain-based solutions will help to streamline cargo documentation processes including creating tamper-proof custody records and replacing paper-based bills of lading. Smart containerisation and special packaging will ensure transparency and traceability across the supply chain such that losses, thefts and damage will be reduced. Technical expertise and human intervention will remain critical in managing complex cargo operations.
Analyse process improvements and associated risks	L	<ul style="list-style-type: none"> Machine learning will develop complex models, such as predictions on customer and market trends, process risk profiling, workflow analysis and environmental performance. While this will inform decision-making, the job role will continue to require human judgment and experience.
Review WSH report to manage solutioning	M	<ul style="list-style-type: none"> While AI and predictive analytics will be used to strengthen risk assessment and analyse reports, human judgment is key in deriving mitigating solutions and addressing areas of non-conformance. The job holder will also need to be familiar with evolving safety standards in light of technology evolution to manage compliance.
In the next 3 - 5 years...	With increased use of cognitive automation and robotics, there is high potential for this job role to be redesigned to leverage data and predictive insights for anticipatory planning, scheduling and performance monitoring of equipment, systems and facilities. There will be increased focus on solutioning and planning to meet business requirements.	

Emerging skills

With increased focus on leveraging data for smarter, faster and predictive inventory and warehouse operations, the job holder will need to reskilled on the following areas:

- Data Interpretation and Analysis
- Advanced Digital Acumen
- Technology Application
- Threat Intelligence and Detection
- Business Advisory
- Strategic Service Excellence
- Sustainability Management
- Systems Thinking
- Complex Problem Solving
- Decision Making