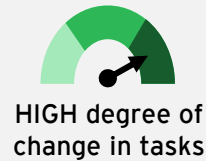


Warehouse Supervisor / Inventory Control Supervisor / Quality Control Supervisor

Technology solutions impacting this job...

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

Impact assessment...



A significant proportion of the job tasks will be substituted by technology solutions, thus minimising or eliminating the need for human intervention

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

REQUIRE REDESIGN

Today, this job role is responsible for supervising general warehouse operations including shipping and receiving deliveries, monitoring stock checks, documenting warehouse transactions and records, and quality control. This includes monitoring performance of the warehouse team.

Job tasks today	Impact at task-level / Future view of job tasks
Monitor warehouse and inventory operations	<ul style="list-style-type: none"> The use of RFID-logging, barcode scanning, sensor technology and UAVs coupled with warehouse management systems will automate the processes for monitoring inventory levels, storage utilisation and operational performance in the warehouse. Focus will shift to utilising data to optimise resource allocation, scheduling and planning to control inventory and reduce cost
Organise cargo schedules, monitor cargo operations	<ul style="list-style-type: none"> Robotic sorting systems and AI will augment tasks for monitoring and inspection of cargo handling and consolidation activities. The focus will shift to monitoring robot operations, ensuring quality control, and supervising complex cargo consolidation, cross-docking, transshipment and transloading tasks.
Identify continuous improvement opportunities	<ul style="list-style-type: none"> Advanced analytics will provide insights on process performance and quality metrics. The job holder will require a production mindset to identify gaps and suggest process improvements. Sensor-enabled data collection coupled with predictive analytics will help optimise critical parameters such as machine utilisation, energy consumption, and resource optimisation, thus enhancing sustainability activities.
Conduct WSH risk assessments, create WSH reports	<ul style="list-style-type: none"> Use of quality, safety and health monitoring applications will help in generating investigation reports. AI and big data will be used to predict WSH risks at an early stage, and conduct root cause analysis. Insights from machine health monitoring processes will be leveraged for robust risk assessment and timely prevention of workplace accidents.

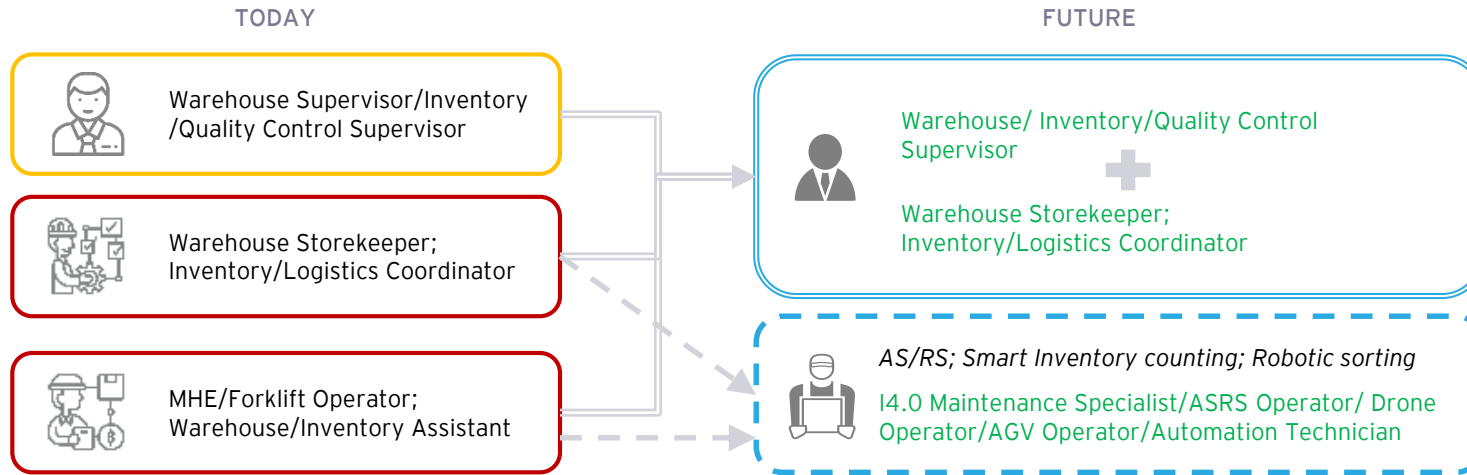
In the next 3 - 5 years... There is high potential for this job role to be **redesigned to use advanced technologies and systems** for monitoring inventory levels, warehouse performance and cargo inspection. This role will be required to **provide data-driven feedback** to enhance operations. Supervision will be required for complex warehousing, inventory and cargo activities.

Emerging skills

With redesign of this role to use I4.0 technologies for supervision of complex warehousing activities, the job holder will need to gain higher proficiency levels on the following skills:

- Advanced Digital Acumen
- Data Interpretation and Analysis
- Robotic and Automation System Maintenance
- Technology Application
- Technology Troubleshooting
- Threat Intelligence and Detection
- Business Advisory
- Systems Thinking
- Complex Problem Solving
- Decision Making

Safeguarding employment & employability of workers in roles that will undergo displacement or be redesigned



JOB REDESIGN and UPSKILLING/RESKILLING will prepare workers to take on the future job roles

Dashboards for future view of job roles:

- [MHE/Forklift Operator job role](#)
- [Warehouse Storekeeper](#)
- [Warehouse Supervisor](#)

Dashboard for new job role

- [I4.0 Maintenance Specialist job role](#)

Job roles that will undergo displacement	Redeployment opportunities within the logistics sector			Redeployment opportunities outside the logistics sector
	Mobility to newly created job role	Vertical mobility within the same function	Horizontal/diagonal mobility to different job function (top 3)	
MHE/Forklift Operator; Warehouse/Inventory Assistant	<ul style="list-style-type: none"> I4.0 Maintenance Specialist/ASRS Operator/ Drone Operator/AGV Operator/Automation Technician 	<ul style="list-style-type: none"> Warehouse Supervisor / Inventory Control Supervisor / Quality Control Supervisor 	<ul style="list-style-type: none"> Project Supervisor Rigger / Signaller / Lifting Supervisor Dispatch Operator / Transport Operator / Last Mile Delivery Driver / Container Driver 	<ul style="list-style-type: none"> Mobility to similar job functions or job roles requiring similar skills in other sectors
Warehouse Storekeeper; Inventory/ Logistics Coordinator	<ul style="list-style-type: none"> I4.0 Maintenance Specialist/ASRS Operator/ Drone Operator/AGV Operator/Automation Technician 	<ul style="list-style-type: none"> Warehouse Supervisor / Inventory Control Supervisor / Quality Control Supervisor 	<ul style="list-style-type: none"> Health, Safety and Environmental Coordinator Project Supervisor Lifting Supervisor 	