



Alliance for Batteries Technology, Training and Skills

2019-2023

Material Planners and Handlers



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Material Planners and Handlers

A battery material handler is responsible for the handling and storage of raw materials and finished products in a battery manufacturing facility. They work with a team of engineers and scientists to ensure that the materials needed for the production of batteries are available and ready to use. They are responsible for the safe and efficient handling, storage, and movement of raw materials, semi-finished products, and finished batteries.

ESCO Occupations - [ESCO - Occupations - European Commission \(europa.eu\)](https://ec.europa.eu/esco/)

ID	NAME	Concept URI
9333.3	Materials handler	http://data.europa.eu/esco/occupation/808becc8-5a4e-4e71-a043-c2ea32b56ae3
3323.2.3	purchase planner	http://data.europa.eu/esco/occupation/dbdc9f7b-31c6-4f21-a9c5-48253bb69c08
2149.2.7	quality engineer	http://data.europa.eu/esco/occupation/30c0943c-caa1-411d-b273-26f475971273

Context

Minimum EQF	3/4/5/6
Value Chain	Raw Materials and Processing Cell and Components Manufacturing Modules and Packs Battery Integration Operation Second Life Recycling
Departments	Production and Maintenance Logistics Quality Purchasing
Specialisations	Production planner Material Planner Senior Planner Planner Material Handler

Cross-sectoral Specific Competence

Name	Type (S/K)	Description/Context	Level	ESCO
Kaizen	K	<ul style="list-style-type: none"> - Continuous improvement on current processes - Support improvement initiatives and identify areas of improvement - Maximize efficiency - Follow up on plans and capacity and suggest improvements - Participate in or lead development of planning processes 	Expert	identify process improvement
Process Improvement	S	<ul style="list-style-type: none"> - Continuous improvement on current processes - Support improvement initiatives and identify areas of improvement - Maximize efficiency - Follow up on plans and capacity and suggest improvements - Participate in or lead development of planning processes 	Expert	identify process improvement
Remove Defective Product	S	<ul style="list-style-type: none"> - Plan and execute the quality assurance of battery assembly, initiations and maintenance - Operate and manage the actual material and equipment needed in order to accomplish flow - Recording and inspection on equipment including, cleaning, checking and adding fluids as needed - Problem solving trouble shooting skills related to equipment and material issues 	Practitioner	remove defective product
Inventory Management/ Ordering	S	<ul style="list-style-type: none"> - Monitor inventory levels against agreed target levels - Schedule the supply of materials/components to meet production requirements and minimum safety stock levels - Assess volume requirements against planning assumptions 	Practitioner	manage inventory
Logistics	K	<ul style="list-style-type: none"> - Coordinate interdepartmental activities to ensure a controlled flow of approved materials timed to meet production requirements. - Provide input for raw materials and transport cost optimisation - Proactively plan production orders and capacity 	Practitioner	logistics
Material Operation & Handling	S	<ul style="list-style-type: none"> - Operate and manage the actual material and equipment needed in order to accomplish flow - Receipt and transport of raw materials using mobile 	Practitioner	operate material handling equipment

		<ul style="list-style-type: none"> equipment of various types - Movement and transportation of in process product throughout the production area 		
Supply/Material Planning	S	<ul style="list-style-type: none"> - Monitor inventory levels against agreed target levels - Operate and manage the actual material needed - Ensure that the supply of materials meet the production schedule and minimum stock levels - Schedule the supply of materials/components - Plan, develop, implement and evaluate processes for material delivery 	Practitioner	manage delivery of raw materials
Training Provision	S	<ul style="list-style-type: none"> - Train and mentor other planners in the processes - Create training and information material 	Expert	provide training

Sector Specific Competence

Name	Type (S/K)	Description/Context	Level	ESCO
Battery Material	K	<ul style="list-style-type: none"> - Person who operates and manages the actual material and equipment needed in order to accomplish flow - Responsible for loading and unloading waste, materials and cells in accordance with current routines and guidelines. - Will handle waste materials. - Receive and transport of raw materials using mobile equipment - Plan materials call-offs from suppliers and with purchasing and logistics departments providing input for raw materials and transport cost optimisation 	Practitioner	battery material

Soft Competence

Name	Type (S/K)	Description/Context	Level	ESCO
Problem Solving/Trouble shooting	S	<ul style="list-style-type: none"> - Problem solving trouble shooting skills related to equipment and material issues - Understand and manage risks to minimize impact on production schedule 	Expert	problem solving & troubleshoot
Teamwork	K	<ul style="list-style-type: none"> - Must be able to work in a team environment - Work in close relation with different actors in the value chain - Train and mentor other planners in the processes 	Practitioner	

General Transversal Competence

Name	Type (S/K)	Description/Context	Level	ESCO
English	K	- Follow written and verbal instructions in a multicultural/international environment	Practitioner	English
Reporting	S	- Summarize and deliver reports for the planning area - Create follow up of planning, capacities and deliveries	Expert	follow reporting procedures
Computer Literacy / Office	S	- Ability to use appropriate office applications on day-to-day activities - Day-to-day order management - manage inventory accuracy - Monitor inventory levels against agreed target levels - Confirmation of customer orders based on material availability and production plan - Work with IT and Digitization to develop software that supports the planning process - Develop or set demands for business intelligence software (like MS Power BI) for planning	Expert	have computer literacy
Documentation	S	- Provide appropriate documentation - Handling Documents and packaging controls when loading and unloading - Create training and information material	Practitioner	use technical documentation; observe documents
Written	S	- Day-to-day order management and management of deliveries entails ability to produce and decipher written content - Create training and information material - Summarize and deliver reports for the planning area - Create follow up of planning, capacities and deliveries	Expert	written skills
Planning/ Scheduling	S	- Plan, develop, implement and evaluate processes for material delivery - Assess volume requirements against planning assumptions - Schedule the supply of materials/components - Day-to-day order management and management of deliveries	Expert	perform planning

Academic Competence (can be taken from University programme)

Name	Type (S/K)	Description/Context	Level	ESCO
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