



Effective
Human
Intervention
LEADERS IN TRAINING

Manufacturing Supervisor Skills & Knowledge



As a Manufacturing Supervisor/ Engineer, you'll need a mix of skills and knowledge to keep the manufacturing process running according to the production plan. A manufacturing supervisor plays a crucial role in managing and overseeing the operations of a manufacturing facility. They are responsible for ensuring that manufacturing processes run smoothly, efficiently, and in accordance with established standards. To excel in this role, a manufacturing supervisor needs a combination of skills and knowledge.

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The following key skills and knowledge areas for a manufacturing production supervisor is covered in the course:

MANUFACTURING PROCESS KNOWLEDGE

- Understanding the technical aspects of the manufacturing processes.
- Familiarity with machinery, equipment, and manufacturing techniques.
- Able to troubleshoot manufacturing issues.
- Optimize workflow efficiency.
- Optimize manpower requirements and skills.

LEADERSHIP ROLE OF SUPERVISOR

- Essential leadership skills,
- Effective manufacturing Team Communication.
- Team Conflict resolution,
- Team motivation to achieve manufacturing targets.

MANUFACTURING PROBLEM SOLVING TECHNIQUES

- Identify and solve manufacturing related problems.
- Ability to diagnose and address equipment malfunctions and manufacturing issues promptly to minimize downtime and disruptions.
- Find root causes of repeat problems to prevent delays and disruptions.

QUALITY CONTROL IN MANUFACTURING

- Proficiency in quality assurance techniques, inspection processes, and standards to maintain product quality and adherence to specifications.
- Manage manufacturing according to products quality standards.
- Be able to record and log quality control stats for control purposes.

SAFETY AWARENESS IN MANUFACTURING

- Knowing and apply the company's safety regulations and protocols.
- Knowing and applying Industry Specific Regulations and Standards.

MANUFACTURING DATA ANALYSIS

- Analyse manufacturing data to identify trends, areas for improvement, and potential efficiency gains.

INVENTORY MANAGEMENT & CONTROL

- Knowledge of inventory control techniques to ensure adequate stock levels without excessive storage costs.

MANUFACTURING RELATED EQUIPMENT MAINTENANCE

- Basic understanding of equipment maintenance schedules, practices, and the ability to coordinate maintenance activities.

TIME MANAGEMENT AND MANUFACTURING PLANNING

- Manage work according to manufacturing schedules.
- Knowing how to prioritize tasks.
- Support own Team to manage time and deadlines efficiently.

FINANCE CONTROL IN MANUFACTURING

- Understanding of budgeting, cost control, and the financial implications of production decisions.

REGULATORY COMPLIANCE

- Supervisors must be knowledgeable about relevant regulations and compliance requirements for their industry.

ADAPTABILITY TO MANUFACTURING CHANGES

- Skills and knowledge required to adapt to rapidly changing manufacturing environment.
- Skills required to adapt to new manufacturing methods or technologies.

ESSENTIAL COMMUNICATION IN MANUFACTURING

- Ability to communicate with different teams, from upper management to the production floor.
- Clear and effective non-verbal communication to ensure all members is on the same page.

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TRENDS IN MANUFACTURING TECHNOLOGY

- Familiarity with relevant software tools, automation technologies, and digital solutions that can enhance production efficiency.

CONTINUES IMPROVEMENT PROCESS

- Striving for continuous improvement is key.
- Identifying ways to optimize processes and increase efficiency.

EMPLOYEE TRAINING AND DEVELOPMENT

- Developing training programs and providing guidance to help employees develop their skills and perform their tasks effectively.

ABOUT YOUR FACILITATOR

Herman Michle (Mike) Bosse has many years of experience in different aspects of Production, Projects, Logistics, Maintenance and Quality Management. He is a business owner specialising in Engineering Training and Consultation. He has many years' experiences in lecturing; facilitation; assessments and training including Process and Systems auditing. He presents for a wide audience ranging from entry level to Management.

He has conducted courses in South Africa; Swaziland; Namibia; Zambia; DRC Congo and Oman. Delegates connect well with him due to his experience.

The course is concluded with an Evaluation Session to ensure attendees comply to the Company's requirements for Manufacturing Supervisors.

Evaluation criteria is established jointly by the Company in conjunction with the Course Leader/ Facilitator.