



# Industry Visit to Daikin Manufacturing Plant

A presentation on the insightful visit to Daikin's Neemrana plant, covering key learnings and career implications.

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# About Daikin & Its Neemrana Plant

## Daikin Overview

- Founded in 1924 HVAC
- global leader Energy-
- efficient products

## Neemrana Plant

- Largest AC unit in India
- Established in 2009
- 1.2 million units annually

Daikin's Neemrana plant is a state-of-the-art manufacturing facility producing air conditioning products.

The plant is spread over 160,000 sq. meters and has a production capacity of over 1.2 million units annually.

It focuses on automation, precision engineering, and environmentally friendly practices.

Established in 2009, it plays a crucial role in catering to both domestic and international markets.

The facility adheres to global quality standards and sustainability initiatives



# Objectives of the Industry Visit

## Manufacturing Processes

Understand real-world  
manufacturing

## Advanced Tech

Explore HVAC technology

## Sustainability

Observe green initiatives



# Key Learnings from the Visit



## Automation

Precision & efficiency



## Supply Chain

Just-in-time inventory



## Workforce

Skilled professionals

The industry visit to Daikin aims to provide a comprehensive understanding of real-world manufacturing processes, offering firsthand exposure to the company's advanced HVAC technology and innovations. Participants will have the opportunity to explore automation and quality control techniques that ensure high product standards. Additionally, observing supply chain and logistics management in action will enhance their knowledge of operational efficiency. The visit will also shed light on Daikin's sustainability practices and green initiatives, showcasing the company's commitment to environmental responsibility. Furthermore, this experience will help participants gain valuable insights into career opportunities in manufacturing, operations, and marketing, broadening their perspectives on potential professional paths.







# Personal Experience & Observations

1

## Global Setup

First-hand exposure

2

## Real-World

Theoretical concepts

3

## Commitment

Sustainability & innovation

The visit to Daikin Neemrana provided valuable insights into various aspects of manufacturing, automation, and operations. Observing the manufacturing and assembly process, we witnessed the integration of advanced automation and robotics, ensuring precision and efficiency in production. The use of IoT and AI in air conditioning systems demonstrated Daikin's commitment to smart technology, while the implementation of Lean Manufacturing and Kaizen principles highlighted their focus on continuous improvement. In supply chain and operations, we learned about just-in-time inventory management, which helps reduce costs, along with the importance of strong vendor partnerships for seamless raw material sourcing. The visit also shed light on workforce and management, where skilled professionals maintain high production standards, and employee safety and training programs enhance efficiency. Lastly, in quality assurance and testing, we observed a multi-stage testing process that ensures product performance and durability, with strict adherence to international compliance and environmental standards, reinforcing Daikin's commitment to quality and sustainability.



# How This Visit Will Help My Career

1

**Industry Knowledge**  
Improved understanding

2

**Networking**  
Insights into job roles

3

**Sustainability**  
Green technology





# ERD Diagram

This diagram illustrates the interconnected data points within a production line. It shows how machines, work orders, employees, and suppliers are linked through processes like quality checks, maintenance, and inventory management. Understanding these relationships is crucial for optimizing efficiency and identifying areas for improvement in the production process

# Thank You