

# Industrial Visit: Daikin AC Manufacturing Plant at Neemrana, Rajasthan

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# Project Information

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## Overview

Daikin's Neemrana facility  
in Rajasthan

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## Key Focus

Technology, efficiency,  
sustainability

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## Key Details

Production statistics, investment



# Problem Statement / Objective



## Manufacturing Process

Understand manufacturing, quality control



## Operational Efficiency

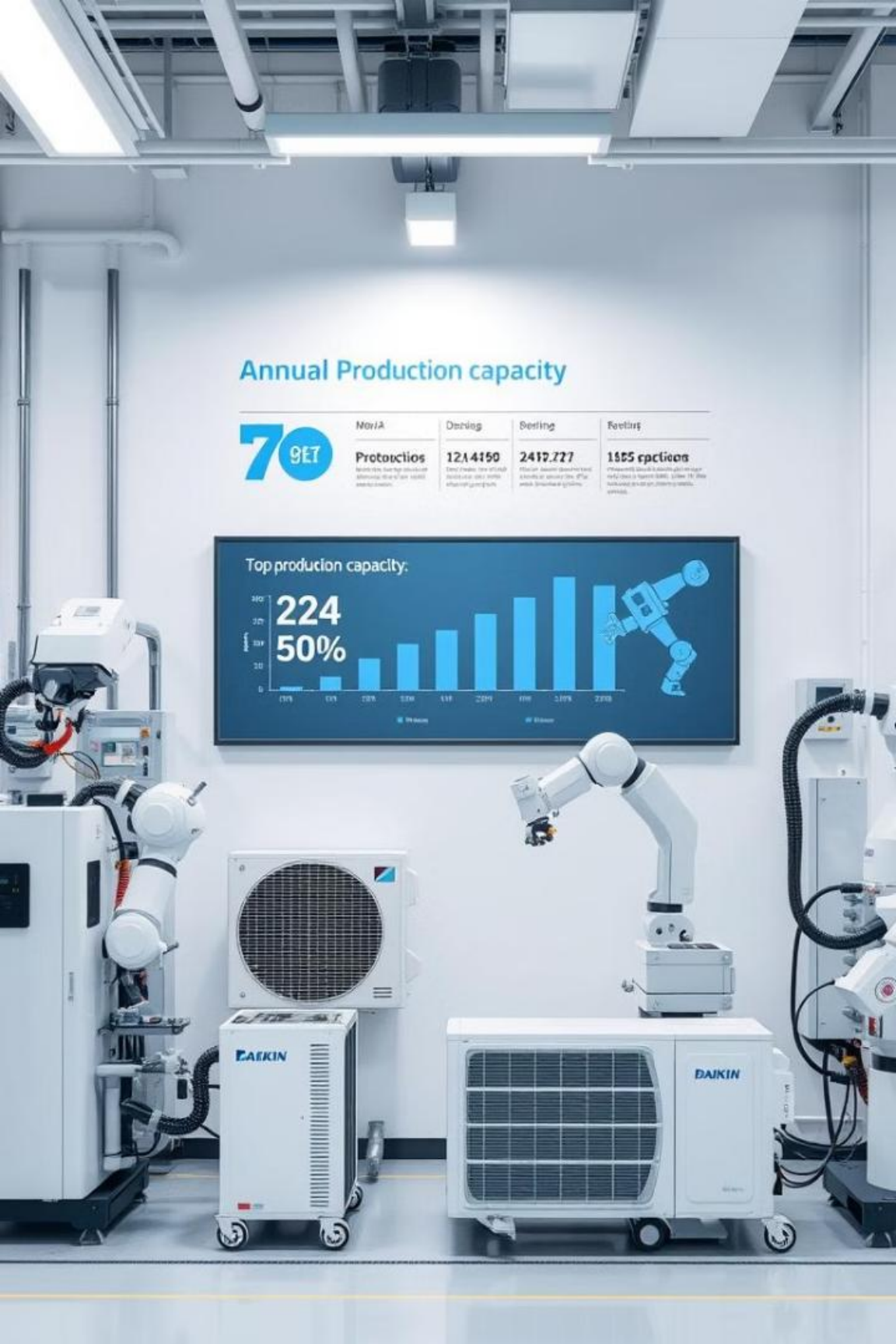
Analyze efficiency, sustainability initiatives



## Improvement Areas

Identify improvements, best practices





# Data and Analysis

500K

High Wall Units

Annual production capacity

6K

Ductable Units

Annual production capacity

20K

VRV Units

Annual production capacity

1.8K

Chiller Units

Annual production capacity





# Key Observations

# Automation

Production lines enhance speed, accuracy

# Quality Control

Rigorous, ensures product reliability

# Sustainability

Strong focus on  
environmental initiatives

# Manufacturing

## Local reduces supply chain times



# Insights and Recommendations



**Automation**

Increase for enhanced efficiency

**Energy Efficiency**

Invest in R&D

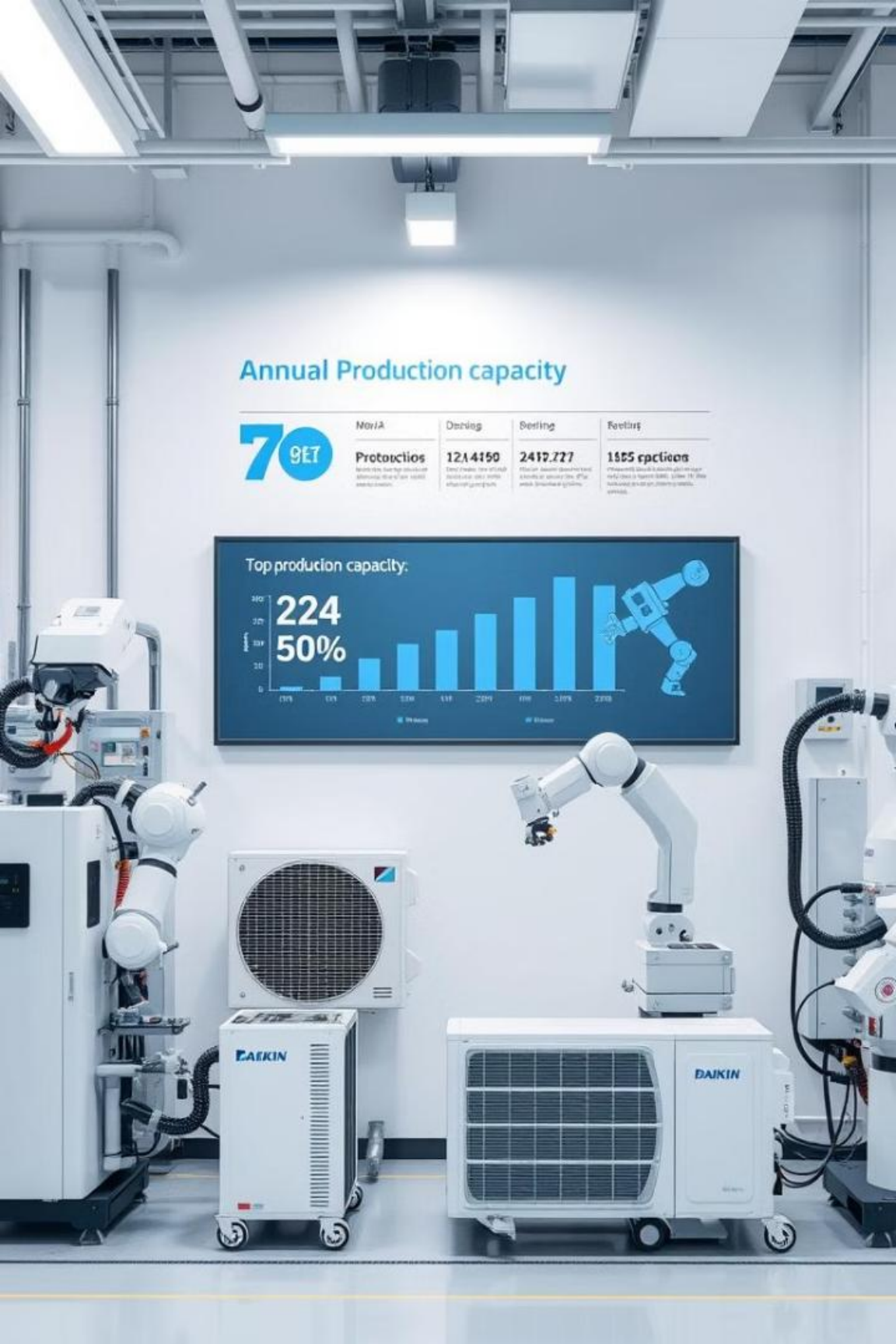
**Supplier Relationships**

Strengthen for resource management

**Employee Training**

Improve adaptability





# Project Stats

Investment	₹1065 Crores
Facility Size	160,000 sq. meters
Assembly Time	22 seconds per unit
Green Initiatives	50% Greenery, Full Recycling

The ER diagram represents the key **entities and their relationships** in Daikin’s AC manufacturing process. It provides a structured view of how different components interact within the production ecosystem.

**Key Entities & Their Roles:**

- Manufacturing Plant:** The central entity where production takes place.
- Production Unit:** Handles specific product categories like High Wall ACs, VRVs, etc.
- Product:** Represents the final AC units manufactured.
- Raw Material & Supplier:** Defines the sourcing of essential materials.
- Inventory:** Manages stock levels of raw materials and finished products.
- Quality Control:** Ensures compliance with global standards.
- Employee:** Covers workforce roles across different departments.
- Environmental Management System (EMS):** Focuses on sustainability initiatives.
- Sales & Distribution & Retailer:** Represents how products reach end consumers.

# ER Diagram

