

Dim_Date	
Date_ID ⚡	DATE <b>NN</b>
Day_Of_Week	VARCHAR(10)
Day_Name	VARCHAR(10)
Month_Of_Year	INTEGER
Month_Name	VARCHAR(10)
Quarter	INTEGER
Year	INTEGER
Fiscal_Period	INTEGER
Fiscal_Year	INTEGER
Is_Weekend	BOOLEAN
Is_Holiday	BOOLEAN

Dim_Vendor	
Vendor_ID ⚡	VARCHAR(10) <b>NN</b>
Vendor_Name	VARCHAR(100)
Vendor_City	VARCHAR(50)
Vendor_Country	VARCHAR(50)

Dim_Plant	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Plant_Name	VARCHAR(50)
City	VARCHAR(50)
Country	VARCHAR(50)
Region	VARCHAR(50)

Dim_Material	
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Material_Name	VARCHAR(40)
Material_Type	VARCHAR(10)
Base_Unit_Of_Measure	VARCHAR(3)
Product_Hierarchy	VARCHAR(20)

Fact_Delivery_Header	
Delivery_Document_ID ⚡	VARCHAR(10) <b>NN</b>
Planned_Goods_Movement_Date	DATE
Loading_Date	DATE
Picking_Date	DATE
On_Time_In_Full_Indicator	BOOLEAN

Dim_Employee	
Employee_ID ⚡	VARCHAR(12) <b>NN</b>
Employee_Name	VARCHAR(100)
Department	VARCHAR(50)
Job_Title	VARCHAR(50)
Hire_Date	DATE

Fact_Emissions	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Emission_Type_Code ⚡	VARCHAR(4) <b>NN</b>
Emission_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Emission_Factor	DECIMAL(7,4)
Source	VARCHAR(20)

Fact_Water_Usage	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Meter_ID ⚡	VARCHAR(10) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Time_Of_Reading	TIME
Reading_Value	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Purpose	VARCHAR(20)
Consumption_Type	VARCHAR(2)

Fact_Hazardous_Waste	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Waste_ID ⚡	VARCHAR(10) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Waste_Type_Code	VARCHAR(4) <b>NN</b>
Waste_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Disposal_Method_Code	VARCHAR(4)
Hazard_Level	VARCHAR(2)

Fact_Energy_Cost	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Vendor_ID ⚡	VARCHAR(10) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Net_Price	DECIMAL(15,2)
Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Energy_Consumption	DECIMAL(13,3)
Energy_Cost	DECIMAL(15,2)

Dim_Equipment	
Equipment_ID ⚡	VARCHAR(18) <b>NN</b>
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Manufacturer	VARCHAR(10)
Serial_Number	VARCHAR(18)
Construction_Year	INTEGER
Equipment_Type_Desc	VARCHAR(20)
Equipment_Type_Code	VARCHAR(10)

Fact_Production_Order	
Production_Order_ID ⚡	VARCHAR(12) <b>NN</b>
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Total_Order_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Basic_Start_Date	DATE
Basic_Finish_Date	DATE
Yield_Quantity	DECIMAL(13,3)

Fact_Safety_Incident	
Notification_ID ⚡	VARCHAR(12) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Creation_Date	DATE
Notification_Type	VARCHAR(2)
Short_Text	VARCHAR(40)
Code_Group	VARCHAR(8)
Code	VARCHAR(4)
Unsafe_Act_Indicator	BOOLEAN
Unsafe_Condition_Indicator	BOOLEAN
Near_Miss_Indicator	BOOLEAN
Severity_Level	VARCHAR(1)
Employee_ID ⚡	VARCHAR(12)
Plant_ID ⚡	VARCHAR(4)

Dim_Work_Center	
Work_Center_ID ⚡	VARCHAR(8) <b>NN</b>
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Work_Center_Description	VARCHAR(40)
Usage	VARCHAR(3)
Capacity_Category	VARCHAR(10)
Production_Supervisor_ID ⚡	VARCHAR(12)

Fact_Inspection_Lot	
Inspection_Lot_ID ⚡	VARCHAR(12) <b>NN</b>
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Lot_Size	DECIMAL(13,3)
Inspection_Type	VARCHAR(1)
Inspection_Start_Date	DATE
Rejected_Quantity	DECIMAL(13,3)
Rejection_Reason_Code	VARCHAR(8)

Fact_Delivery_Item	
Delivery_Document_ID ⚡	VARCHAR(10) <b>NN</b>
Delivery_Item_Number ⚡	NUMERIC(6) <b>NN</b>
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Actual_Quantity_Delivered	DECIMAL(13,3)
Actual_Quantity_Picked	DECIMAL(13,3)

Fact_Continuous_Improvement	
Project_ID ⚡	VARCHAR(10) <b>NN</b>
Project_Type	VARCHAR(4)
Start_Date	DATE
End_Date	DATE
Leader_ID ⚡	VARCHAR(12) <b>NN</b>
Team_Size	NUMERIC(3)
Estimated_Savings	DECIMAL(15,2)
Status	VARCHAR(2)
Impact_Level	VARCHAR(2)

Fact_Skill_Level	
Employee_ID ⚡	VARCHAR(12) <b>NN</b>
Skill_ID ⚡	VARCHAR(8) <b>NN</b>
Skill_Level	DECIMAL(3,0)
Certification_Date	DATE

Fact_OEE	
Equipment_ID ⚡	VARCHAR(18) <b>NN</b>
Date_ID ⚡	DATE <b>NN</b>
Availability_Percentage	DECIMAL(5,2)
Performance_Percentage	DECIMAL(5,2)
Quality_Percentage	DECIMAL(5,2)
OEE_Percentage	DECIMAL(5,2)

Fact_Production_Operation	
Production_Order_ID ⚡	VARCHAR(12) <b>NN</b>
Operation_Number ⚡	VARCHAR(4) <b>NN</b>
Confirmation_Counter ⚡	NUMERIC(6) <b>NN</b>
Work_Center_ID ⚡	VARCHAR(8) <b>NN</b>
Scheduled_Start_Date	DATE
Scheduled_Finish_Date	DATE
Scheduled_Start_Time	TIME
Scheduled_Finish_Time	TIME
Actual_Start_Date	DATE
Actual_Finish_Date	DATE
On_Time_Manufacturing_Indicator	BOOLEAN

Fact_Manufacturing_Cost	
Cost_Center_ID ⚡	VARCHAR(10) <b>NN</b>
Production_Order_ID ⚡	VARCHAR(12) <b>NN</b>
Material_ID ⚡	VARCHAR(18) <b>NN</b>
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Fiscal_Year ⚡	INTEGER <b>NN</b>
Fiscal_Period ⚡	INTEGER <b>NN</b>
Actual_Costs	DECIMAL(15,2)
Standard_Price	DECIMAL(15,2)
Price_Control_Indicator	VARCHAR(1)
Variance_Amount	DECIMAL(15,2)

Fact_SS_Score	
Plant_ID ⚡	VARCHAR(4) <b>NN</b>
Work_Center_ID ⚡	VARCHAR(8) <b>NN</b>
Audit_Date ⚡	DATE <b>NN</b>
Auditor_ID ⚡	VARCHAR(12) <b>NN</b>
Sort_Score	DECIMAL(3,0)
Set_In_Order_Score	DECIMAL(3,0)
Shine_Score	DECIMAL(3,0)
Standardize_Score	DECIMAL(3,0)
Sustain_Score	DECIMAL(3,0)
Total_SS_Score	DECIMAL(3,0)

Fact_Inspection_Result	
Inspection_Lot_ID ⚡	VARCHAR(12) <b>NN</b>
Operation_Number ⚡	VARCHAR(4) <b>NN</b>
Characteristic_Number ⚡	VARCHAR(4) <b>NN</b>
Valuation	VARCHAR(4)
Quantity_With_Valuation	DECIMAL(13,3)
First_Pass_Yield_Percentage	DECIMAL(5,2)

Dim_Date	
Date_ID ⚡	DATE NN
Day_Of_Week	VARCHAR(10)
Day_Name	VARCHAR(10)
Month_Of_Year	INTEGER
Month_Name	VARCHAR(10)
Quarter	INTEGER
Year	INTEGER
Fiscal_Period	INTEGER
Fiscal_Year	INTEGER
Is_Weekend	BOOLEAN
Is_Holiday	BOOLEAN

Dim_Vendor	
Vendor_ID ⚡	VARCHAR(10) NN
Vendor_Name	VARCHAR(100)
Vendor_City	VARCHAR(50)
Vendor_Country	VARCHAR(50)

Dim_Plant	
Plant_ID ⚡	VARCHAR(4) NN
Plant_Name	VARCHAR(50)
City	VARCHAR(50)
Country	VARCHAR(50)
Region	VARCHAR(50)

Dim_Material	
Material_ID ⚡	VARCHAR(18) NN
Material_Name	VARCHAR(40)
Material_Type	VARCHAR(10)
Base_Unit_Of_Measure	VARCHAR(3)
Product_Hierarchy	VARCHAR(20)

Fact_Delivery_Header	
Delivery_Document_ID ⚡	VARCHAR(10) NN
Planned_Goods_Movement_Date	DATE
Loading_Date	DATE
Picking_Date	DATE
On_Time_In_Full_Indicator	BOOLEAN

Dim_Employee	
Employee_ID ⚡	VARCHAR(12) NN
Employee_Name	VARCHAR(100)
Department	VARCHAR(50)
Job_Title	VARCHAR(50)
Hire_Date	DATE

Fact_Emissions	
Plant_ID ⚡	VARCHAR(4) NN
Date_ID ⚡	DATE NN
Emission_Type_Code ⚡	VARCHAR(4) NN
Emission_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Emission_Factor	DECIMAL(7,4)
Source	VARCHAR(20)

Fact_Water_Usage	
Plant_ID ⚡	VARCHAR(4) NN
Meter_ID ⚡	VARCHAR(10) NN
Date_ID ⚡	DATE NN
Time_Of_Reading	TIME
Reading_Value	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Purpose	VARCHAR(20)
Consumption_Type	VARCHAR(2)

Fact_Hazardous_Waste	
Plant_ID ⚡	VARCHAR(4) NN
Waste_ID ⚡	VARCHAR(10) NN
Date_ID ⚡	DATE NN
Waste_Type_Code	VARCHAR(4) NN
Waste_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Disposal_Method_Code	VARCHAR(4)
Hazard_Level	VARCHAR(2)

Fact_Energy_Cost	
Plant_ID ⚡	VARCHAR(4) NN
Material_ID ⚡	VARCHAR(18) NN
Vendor_ID ⚡	VARCHAR(10) NN
Date_ID ⚡	DATE NN
Net_Price	DECIMAL(15,2)
Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Energy_Consumption	DECIMAL(13,3)
Energy_Cost	DECIMAL(15,2)

Dim_Equipment	
Equipment_ID ⚡	VARCHAR(18) NN
Plant_ID ⚡	VARCHAR(4) NN
Manufacturer	VARCHAR(10)
Serial_Number	VARCHAR(18)
Construction_Year	INTEGER
Equipment_Type_Desc	VARCHAR(20)
Equipment_Type_Code	VARCHAR(10)

Fact_Production_Order	
Production_Order_ID ⚡	VARCHAR(12) NN
Plant_ID ⚡	VARCHAR(4) NN
Material_ID ⚡	VARCHAR(18) NN
Total_Order_Quantity	DECIMAL(13,3)
Unit_Of_Measure	VARCHAR(3)
Basic_Start_Date	DATE
Basic_Finish_Date	DATE
Yield_Quantity	DECIMAL(13,3)

Fact_Safety_Incident	
Notification_ID ⚡	VARCHAR(12) NN
Date_ID ⚡	DATE NN
Creation_Date	DATE
Notification_Type	VARCHAR(2)
Short_Text	VARCHAR(40)
Code_Group	VARCHAR(8)
Code	VARCHAR(4)
Unsafe_Act_Indicator	BOOLEAN
Unsafe_Condition_Indicator	BOOLEAN
Near_Miss_Indicator	BOOLEAN
Severity_Level	VARCHAR(1)
Employee_ID ⚡	VARCHAR(12)
Plant_ID ⚡	VARCHAR(4)

Dim_Work_Center	
Work_Center_ID ⚡	VARCHAR(8) NN
Plant_ID ⚡	VARCHAR(4) NN
Work_Center_Description	VARCHAR(40)
Usage	VARCHAR(3)
Capacity_Category	VARCHAR(10)
Production_Supervisor_ID ⚡	VARCHAR(12)

Fact_Inspection_Lot	
Inspection_Lot_ID ⚡	VARCHAR(12) NN
Material_ID ⚡	VARCHAR(18) NN
Plant_ID ⚡	VARCHAR(4) NN
Lot_Size	DECIMAL(13,3)
Inspection_Type	VARCHAR(1)
Inspection_Start_Date	DATE
Rejected_Quantity	DECIMAL(13,3)
Rejection_Reason_Code	VARCHAR(8)

Fact_Delivery_Item	
Delivery_Document_ID ⚡	VARCHAR(10) NN
Delivery_Item_Number ⚡	NUMERIC(6) NN
Material_ID ⚡	VARCHAR(18) NN
Actual_Quantity_Delivered	DECIMAL(13,3)
Actual_Quantity_Picked	DECIMAL(13,3)

Fact_Continuous_Improvement	
Project_ID ⚡	VARCHAR(10) NN
Project_Type	VARCHAR(4)
Start_Date	DATE
End_Date	DATE
Leader_ID ⚡	VARCHAR(12) NN
Team_Size	NUMERIC(3)
Estimated_Savings	DECIMAL(15,2)
Status	VARCHAR(2)
Impact_Level	VARCHAR(2)

Fact_Skill_Level	
Employee_ID ⚡	VARCHAR(12) NN
Skill_ID ⚡	VARCHAR(8) NN
Skill_Level	DECIMAL(3,0)
Certification_Date	DATE

Fact_OEE	
Equipment_ID ⚡	VARCHAR(18) NN
Date_ID ⚡	DATE NN
Availability_Percentage	DECIMAL(5,2)
Performance_Percentage	DECIMAL(5,2)
Quality_Percentage	DECIMAL(5,2)
OEE_Percentage	DECIMAL(5,2)

Fact_Production_Operation	
Production_Order_ID ⚡	VARCHAR(12) NN
Operation_Number ⚡	VARCHAR(4) NN
Confirmation_Counter ⚡	NUMERIC(6) NN
Work_Center_ID ⚡	VARCHAR(8) NN
Scheduled_Start_Date	DATE
Scheduled_Finish_Date	DATE
Scheduled_Start_Time	TIME
Scheduled_Finish_Time	TIME
Actual_Start_Date	DATE
Actual_Finish_Date	DATE
On_Time_Manufacturing_Indicator	BOOLEAN

Fact_Manufacturing_Cost	
Cost_Center_ID ⚡	VARCHAR(10) NN
Production_Order_ID ⚡	VARCHAR(12) NN
Material_ID ⚡	VARCHAR(18) NN
Plant_ID ⚡	VARCHAR(4) NN
Fiscal_Year ⚡	INTEGER NN
Fiscal_Period ⚡	INTEGER NN
Actual_Costs	DECIMAL(15,2)
Standard_Price	DECIMAL(15,2)
Price_Control_Indicator	VARCHAR(1)
Variance_Amount	DECIMAL(15,2)

Fact_5S_Score	
Plant_ID ⚡	VARCHAR(4) NN
Work_Center_ID ⚡	VARCHAR(8) NN
Audit_Date ⚡	DATE NN
Auditor_ID ⚡	VARCHAR(12) NN
Sort_Score	DECIMAL(3,0)
Set_In_Order_Score	DECIMAL(3,0)
Shine_Score	DECIMAL(3,0)
Standardize_Score	DECIMAL(3,0)
Sustain_Score	DECIMAL(3,0)
Total_5S_Score	DECIMAL(3,0)

Fact_Inspection_Result	
Inspection_Lot_ID ⚡	VARCHAR(12) NN
Operation_Number ⚡	VARCHAR(4) NN
Characteristic_Number ⚡	VARCHAR(4) NN
Valuation	VARCHAR(4)
Quantity_With_Valuation	DECIMAL(13,3)
First_Pass_Yield_Percentage	DECIMAL(5,2)