



Amul Dairy Products

Transforming Sales & Procurement with SAP
S/4HANA

Team Members

1. Vignesh S [RA2311003011253]
2. Raadhesh Chakkaravarthy[RA2311003011272]
3. Tamil Selvan V P [RA2311003011248]





Overview

1. Introduction
2. Role and key features of Production planning in SAP S/4HANA
3. SAP S/4HANA PP Flow for Amul
4. SAP S/4HANA flow for AMUL
5. Architecture Diagram
6. Real Time Data Integration
7. Conclusion





Introduction

Implementing SAP S/4HANA's Production Planning (PP) module allows AMUL to address these challenges through:

Demand-Driven Planning

- SAP S/4HANA supports demand-driven material requirements planning (DDMRP), helping AMUL align production with demand forecasts and real-time market changes.

Master Data Integration

- Critical master data like Bills of Materials (BOMs), work centers, and routing are centrally maintained, ensuring consistency across all production units.

Efficient Resource Management

- Optimal utilization of dairy production lines (e.g., pasteurization, homogenization, packaging) through capacity planning and machine scheduling.



Role of Production Planning (PP) in SAP S/4HANA

- Ensures raw material availability.
- Aligns production schedules with demand.
- Manages manufacturing resources efficiently.
- Integrates with Sales, Inventory, and Quality modules.

Key Features of SAP PP Module

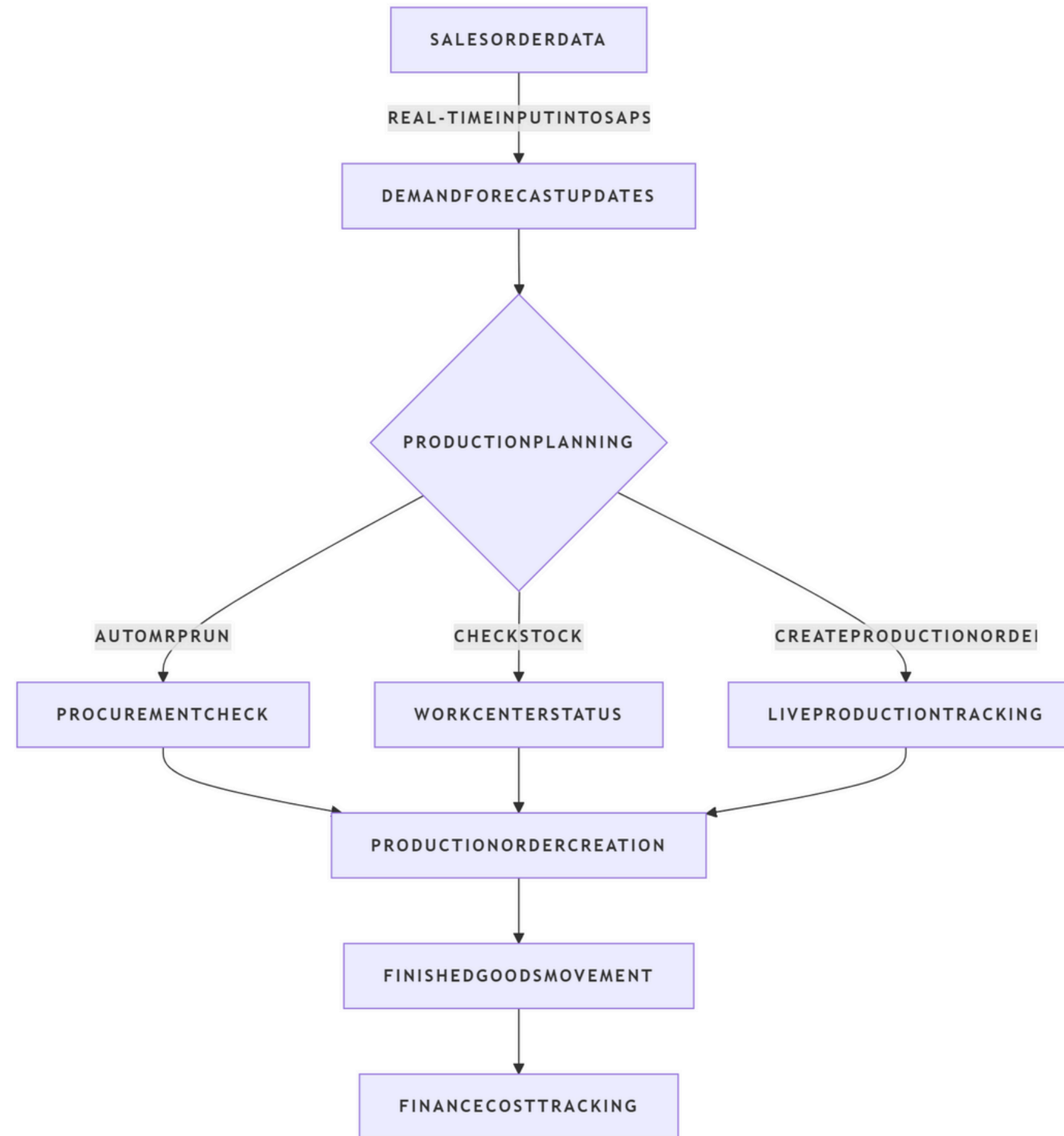
- Material Requirement Planning (MRP)
- Work Center Management
- Routing & BOM (Bill of Materials)
- Demand Management
- Capacity Planning
- Production Orders Tracking



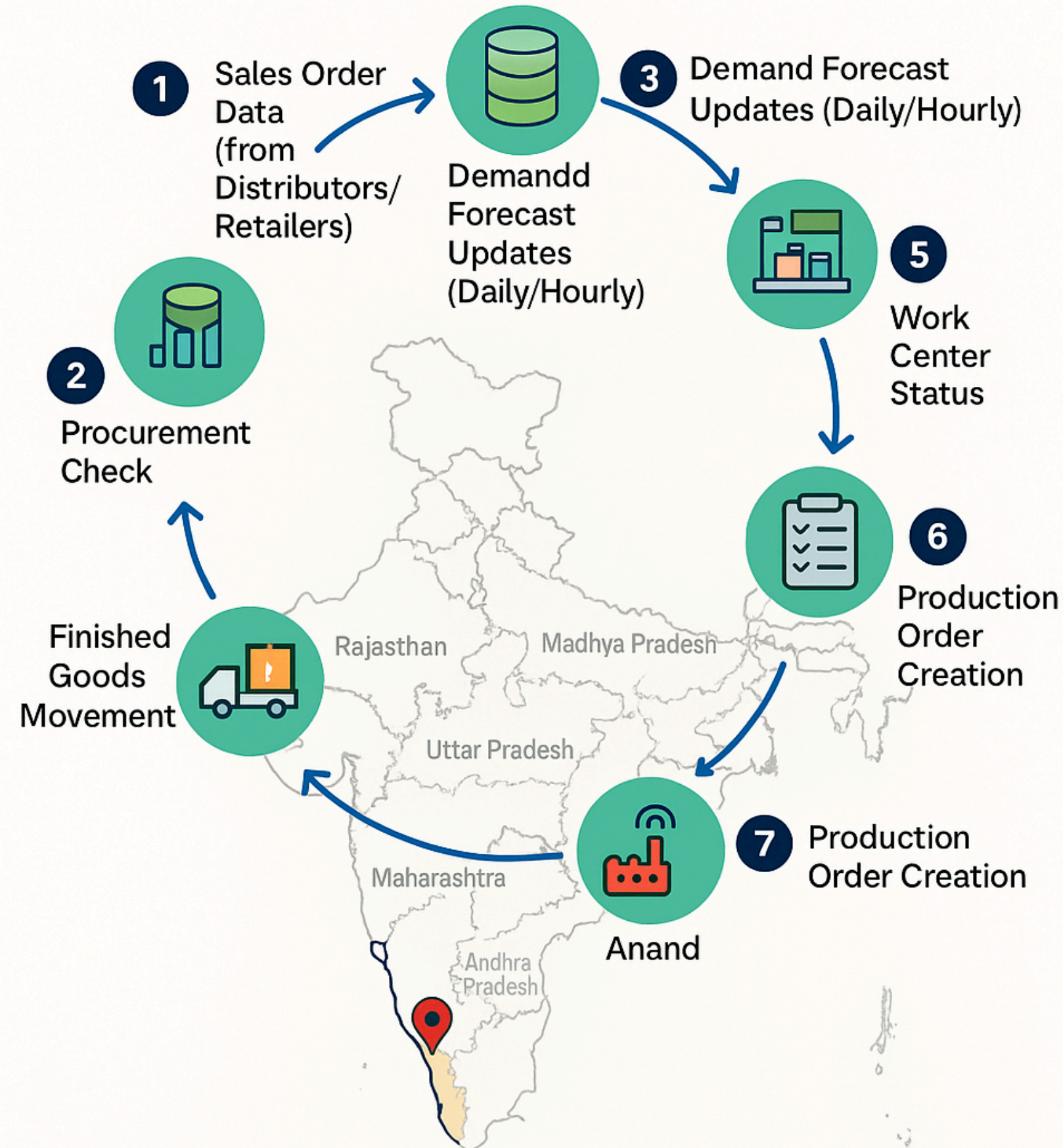
SAP S/4HANA PP Flow for Amul

- Sales Forecasting
- Demand Planning
- MRP Run
- Production Order Creation
- Execution in Plant
- Goods Movement & Confirmation
- Quality Check & Inventory Update

Architecture Diagram



Real Time Data Integration - Amul



Conclusion

Implementing Production Planning in SAP S/4HANA offers AMUL a powerful and integrated solution to manage its complex dairy manufacturing operations. By leveraging real-time data, automated planning tools, and seamless integration with other business functions, AMUL can enhance efficiency, ensure consistent product quality, and respond swiftly to fluctuating demand. The system's capabilities in batch traceability, resource optimization, and predictive analytics are especially valuable in the dairy industry, where freshness and timely delivery are critical. Overall, SAP S/4HANA empowers AMUL to maintain its leadership in the dairy sector through smarter, data-driven production planning.

THANK YOU