



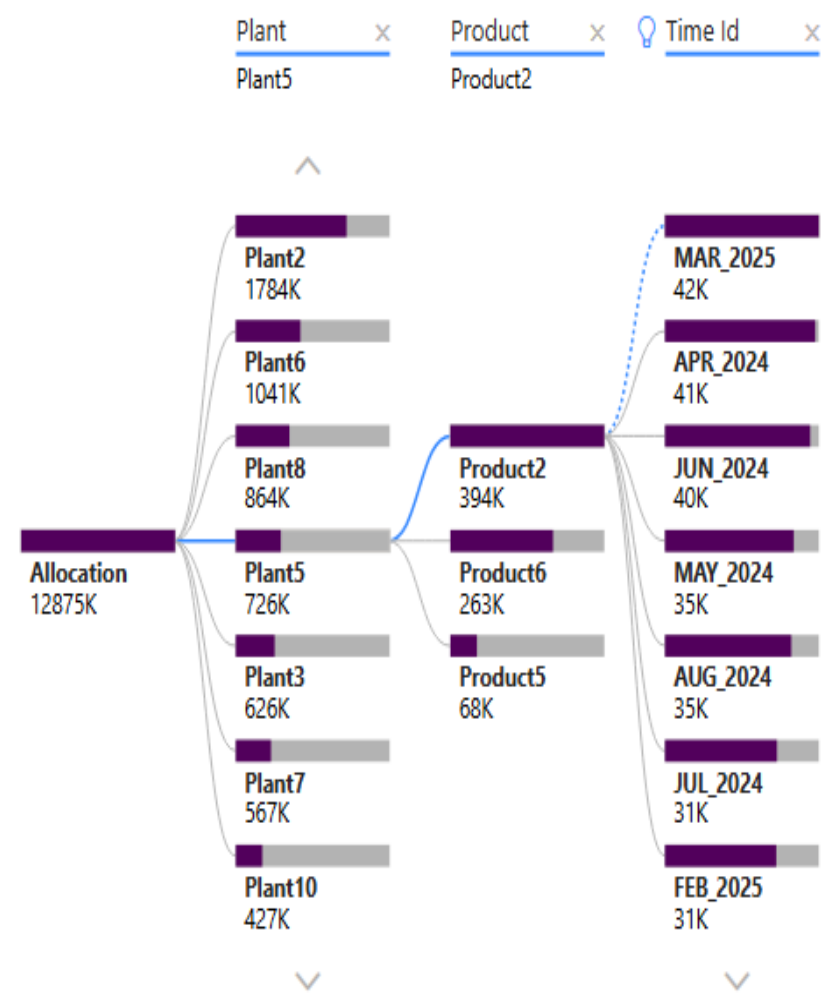
INTEGRATED GENERAL SYSTEMS ANALYSIS  
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# **Integrated Demand-Supply Planning & execution (IDSPe) Platform**

## **Budget Planning Case Study**



# Case study : New Venture Cement Limited – Enhancing Budget Planning with IDSPE



## Introduction

A leading cement manufacturer in India operates 12 cement plants across East, North, and West India, producing 10 cement products. The supply chain primarily utilizes rail (40%) and road (60%) transportation, with 60% of deliveries being direct via road. Key sales channels include Trade and Non-Trade, with EX and FOR freight structures.

## Challenge

- Company faced supply chain constraints, including:
- 1.Managing complex movement types: Plant to warehouse, rake siding to destination, etc.
  - 2.Plant-specific rail dispatch limits.
  - 3.Direct supply limitations for each market.
  - 4.Overall dispatch constraints per plant.

## Solution

Using the IDSPE platform, a comprehensive 12-month supply chain plan was developed, incorporating Company’s constraints and requirements. IDSPE facilitated dynamic modeling and optimization to meet annual budget planning needs.

## Result

- The IDSPE platform successfully optimized supply chain planning, delivering:
- 1.Enhanced efficiency through balanced rail and road dispatches.
  - 2.Cost-effective direct supply movement optimization.
  - 3.Accurate budget forecasts.
  - 4.Data-driven insights for responsive decision-making and alignment with market demands.
- This transformation positioned to achieve strategic goals with improved operational efficiency and informed planning.

