



ENTERPRISE RESOURCE PLANNING

Submitted by:
Group 3

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OUR TEAM



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AGENDA

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COMPANY PROFILE

PepsiCo is the global food and beverage industry leader, and its iconic brand portfolio includes Pepsi, Gatorade, Lay's, and Tropicana. In over 200 countries worldwide, it uses its scale and size to maintain innovation and competitiveness. PepsiCo recorded revenues of over \$86 billion in 2023, based on its global operations' strategic focus on product development, sustainability, and efficiency.

PepsiCo has made significant investments to modernize the I.T. infrastructure, a crucial enabler of the group's operational requirements at distribution centres, warehouses, and administrative offices. This transformation is underpinned by a synergistic blend of cloud computing, fibre optic networking, and wireless technologies, with many applications migrated to the cloud to reduce costs and enhance agility through FinOps practices.

The company teamed up with vendors to improve its networking infrastructure by installing Intermediate Distribution Frames (IDFs) and Main Distribution Frames (MDFs) at 53 locations across the United States, including those for Pepsi and Frito-Lay. Fibre optic cabling connects these IDFs to ensure fast and reliable data transfer, improving operational performance at warehouses and administrative sites. Additionally, PepsiCo deployed custom wireless networks to ensure that employees and systems stay connected with minimal downtime.

These advanced tools, such as SAP S/4HANA, Oracle ERP Cloud, and Microsoft Power BI, enable seamless production, logistics, procurement, and finance coordination. The infrastructure also supports automated workflows, enhancing process efficiency and real-time visibility. These investments align with PepsiCo's long-term sustainability and digital transformation objectives, ensuring its agility and innovation across its supply chain and operational landscape and further supporting its growth initiatives and sustainability commitments.

INFORMATION SYSTEMS AT PEPSICO

1. ERP (Enterprise Resource Planning)

- **SAP S/4HANA:** Covers finance, procurement, and supply chain business activities.
- **Oracle ERP Cloud:** It offers scalable solutions for financial and operational processes.

2. SCM (Supply Chain Management)

- SAP Integrated Business Planning: Assists in demand planning and optimizes inventory.
- Blue Yonder (JDA Software): Provides real-time visibility in the supply chain.
- IoT Systems: Connecting devices to facilitate real-time monitoring and automation.

3. CRM (Customer Relationship Management)

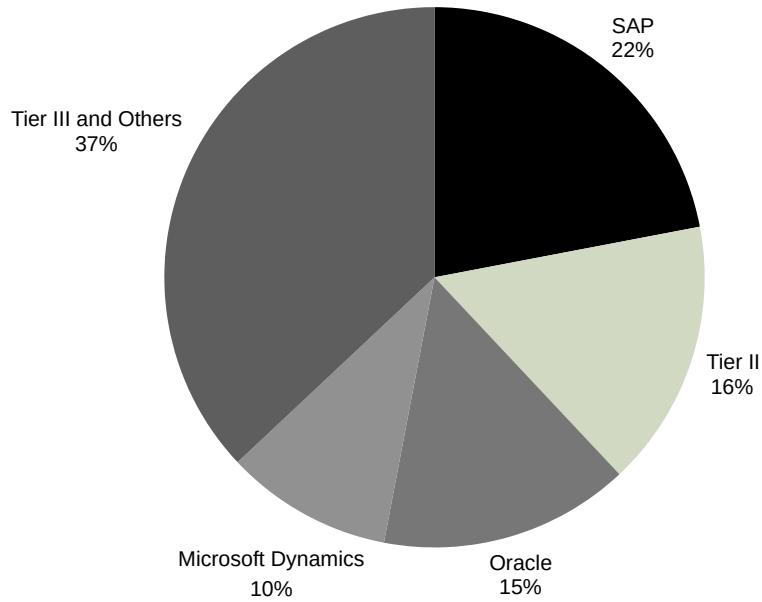
- Salesforce: Manages and enhances customer relationships, tracing a sale and ensuring customer satisfaction.
- Customized CRM Solutions: Systems tailored to the business needs of PepsiCo.

4. DSS (Decision Support Systems)

- Microsoft Power BI: This helps visualize and analyze data.
- Anaplan: This tool assists teams in working together on planning, facilitating collaboration and improving the quality of decisions.
- AI-Based Predictive Tools: It provides predictions for better decision-making. These systems collectively enhance PepsiCo's operational efficiency and decision-making capabilities across its global network.

INFORMATION SYSTEMS AT PEPSICO

Tier I	Tier II	Tier III
SAP	Sage Intacct	Syspro
Oracle ERP Cloud	NetSuite (Oracle)	Exact
Microsoft Dynamics 365	Epicor	Compiere
Infor CloudSuite	IFS	ABAS
	QAD	Visibility



ERP BUSINESS PROCESS

ERP platform helps Pepsico in various business functions such as:

Sales and Marketing:

- Help in forecasting demand using predictive models.
- Managing trade promotions and customer relationships to maximize profitability.

Finance and Accounting:

- ERP's financial tracking, including general ledger and profitability analysis, provides a comprehensive view of Pepsico's financial performance.
- ERP is instrumental in managing accounts payable and receivable, ensuring proper budgeting and financial control.

Human Resource Management (HRM):

- Maintaining employee data, running payrolls, and recruiting employees.
- Performance tracking and labour standards compliance.

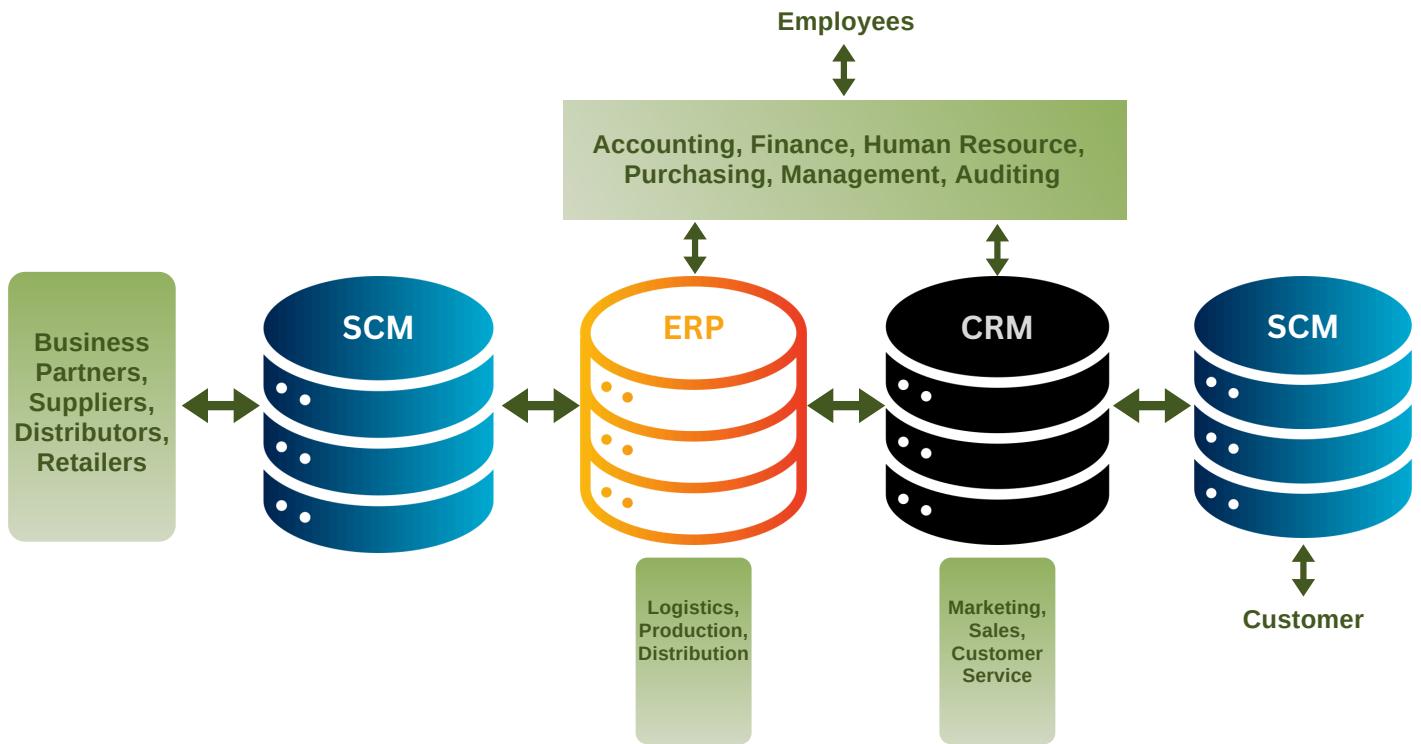
Supply Chain Management (SCM):

- Helps with procurement, vendor management, and logistics planning.
- Ensuring smooth inventory control and order fulfilment.

Manufacturing and Quality Control:

- Overseeing the production schedules, bills of materials, and product quality.
- ERP plays a crucial role in ensuring Pepsico's compliance with industry regulations and standards, providing a sense of security and trust.

COMPREHENSIVE DATA POINTS FOR SEAMLESS ERP OPERATIONS



This diagram showcases the data flow within Pepsico's ERP system and how it integrates critical business functions across the supply chain, operations, and customer management.

- SCM first gathers data from suppliers, distributors, and retailers, which feeds into the ERP system.
- ERP consolidates this data with internal logistics, finance, and HR data to ensure smooth operations.
- Information from CRM is also integrated with ERP to ensure customer needs align with production and delivery schedules.

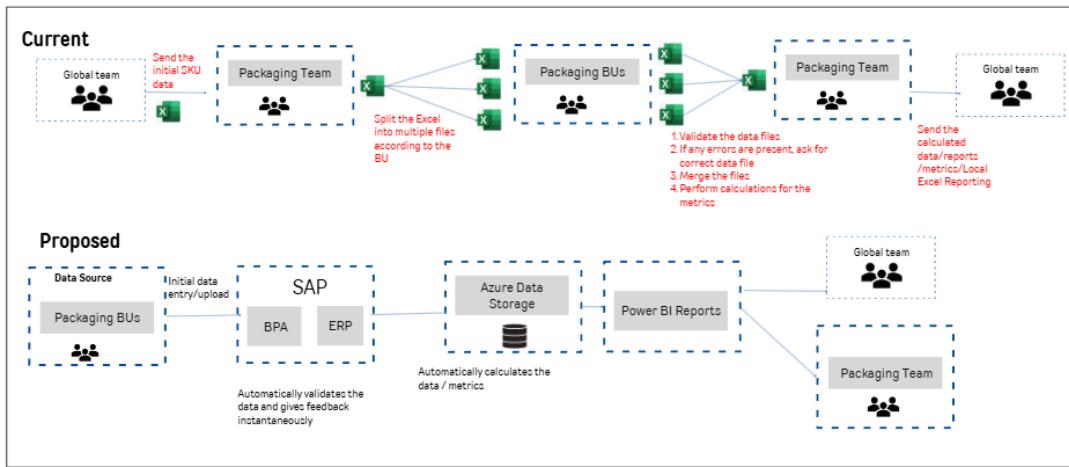
Customer feedback, collected via CRM, plays a crucial role in the ERP system. It flows back to SCM and ERP, guiding adjustments in operations to better meet customer needs.

ERP AT PEPSICO- SCOPE AND USERS

The comprehensive coverage of ERP at PepsiCo spans the below-mentioned functional areas, providing a sense of security and knowledge to the users:

- **Supply Chain Management:** Under this function, ERP helps manage demand forecasting, procurement, supplier management, production planning, inventory control, and logistics. It is utilized by supply chain managers, procurement teams, warehouse supervisors, and logistics managers.
- **Production and manufacturing:** ERP helps in production planning, scheduling, execution, quality control, and packaging operations integration. It is utilized by plant managers, production supervisors, quality control and packaging teams.
- **Procurement and supplier management:** It helps manage supplier relationships, procurement processes, contract management, and performance evaluations. It is used by procurement officers, sourcing managers, vendor management teams and finance personnel.
- **Sales and Distribution:** It helps Facilitate sales order management, CRM, pricing, and product distribution and is utilized by Sales teams, customer service representatives, distribution centre managers, and retail channel partners.
- **Finance and accounting:** ERP is a critical player in managing financial operations, accounting, budgeting, cost management, and financial reporting. It is a vital resource for Finance teams, accountants, auditors, controllers, and financial analysts.
- **Human resource management:** It helps manage employee recruitment, payroll processing, benefits management, training, and performance evaluations. It is utilized by HR managers, payroll administrators, recruitment teams, and training and development specialists.
- **Sustainability and compliance:** ERP enables the tracking of sustainability initiatives, environmental impact assessments, regulatory compliance, and recyclable packaging. Users include Sustainability officers, compliance managers, and EHS teams.
- **Quality management:** ERP helps with Quality planning, inspection, control, assurance, and supplier quality management and is used by Quality control teams, production managers, packaging engineers, regulatory compliance teams
- **Customer relationship management:** ERP implementation is instrumental in managing customer data and feedback to enhance satisfaction, monitor packaging quality, and tailor market offerings. It is a valuable tool for Marketing teams, customer service representatives, and product managers.
- **Inventory management:** Helps monitor raw materials and finished product inventory levels across plants and distribution centres. Its users include Inventory managers, warehouse supervisors, procurement officers, and supply chain teams.

SUSTAINABILITY – CURRENT VS PROPOSED – PACKAGING



Current Process:

Initial Data Input: The global group will send an Excel file containing the first SKU data to the packaging group.

Data Distribution: The packaging team breaks the file up by business unit (BU) and sends multiple Excel files to corresponding packaging BUs.

Data Validation & Calculation: Packaging BUs validate data for errors. They must ask for updated data files if any errors are discovered. They then merge files and calculate necessary metrics.

Reporting: The global calculated metrics are fed to the local teams, which compile the data into individual local Excel reports.

Our current process, reliant on Excel, is a laborious task, prone to human error, and demands extensive team communication. These challenges highlight the urgent need for a more efficient and automated approach.

Proposed Process:

Data Source Integration: The packaging BUs send the base data directly to the SAP system.

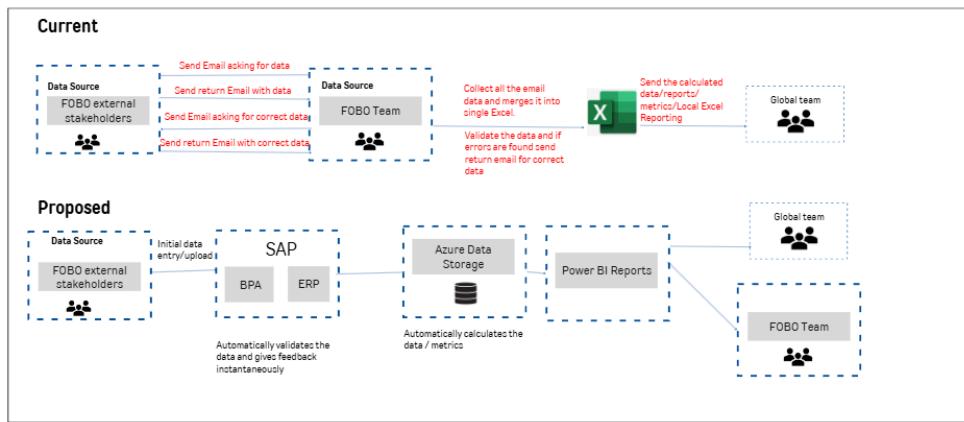
It automatically validates using BPA SAP (Business Process Automation) and ERP (Enterprise Resource Planning) systems immediately without any mistake and with instantaneous feedback.

Data Calculation: They are automatically transferred to Azure Data Storage, where various metrics are computed without user input.

Power BI Reporting: Automated calculations flow into Power BI, enabling real-time reporting for the global and packaging teams, keeping everyone informed and up-to-date.

The proposed process offers significant benefits. It will drastically reduce manual effort, enhance accuracy, and facilitate real-time and sustainable data management through cloud storage and advanced analytics. The transition from Excel to integrated systems not only supports PepsiCo's sustainability objectives but also aligns our business operations with efficiency and resource optimization.

SUSTAINABILITY – CURRENT VS PROPOSED – FOBO



Current Process:

Data Collection: FOBO external stakeholders collect data via email, and corrections are requested when wrongly inputted.

Data Integration: The FOBO team collects the data in a single Excel file that they compile.

Data Validation: The FOBO team validates the file, asking for corrections for errors found, and then calculates metrics.

Reporting: Results are compiled into an Excel report and transmitted to the international team.

More steps are possible to delay back-and-forth communication with manual consolidation.

Proposed Process:

Automated Data Entry: FOBO stakeholders will play a crucial role in the proposed process by uploading data directly into SAP, reducing manual data requests and ensuring the accuracy of the data they provide.

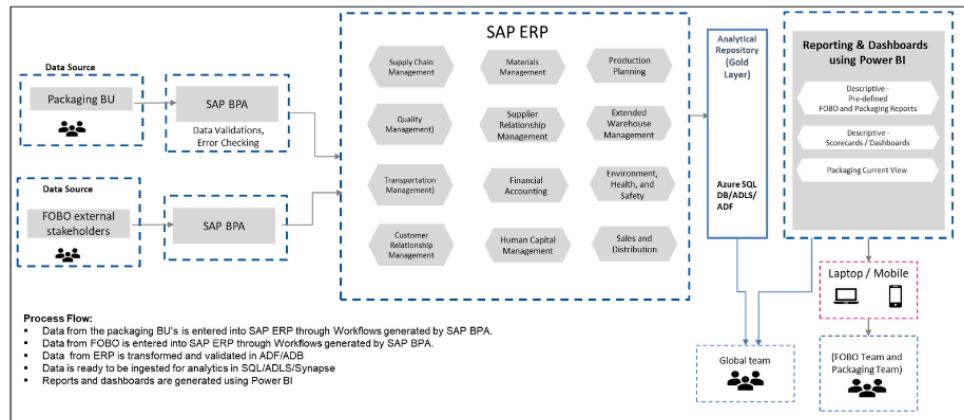
Instant Validation: The SAP BPA and ERP functionality validate data automatically and, thus, provide immediate feedback about errors.

Data Storage & Computation: The data used is automatically stored in Azure Data Storage and automatically calculated for metrics.

Integrated Reporting: All calculated data will automatically roll into the Power BI Reports, giving the team and global real-time metrics. This real-time access to data will enable us to make quicker and more informed decisions, improving our overall efficiency.

The proposed process optimizes efficiency by reducing manual tasks, enabling real-time data processing, and supporting sustainability goals with digital automation. This not only enhances data accuracy and reduces reporting delays but also ensures streamlined team communication, empowering everyone with up-to-date information.

OVERALL CONCEPTUAL ARCHITECTURE – SUSTAINABILITY



The architecture diagram showcases the overall conceptual architecture for sustainability and focuses on data management flow across the different systems of PepsiCo to improve sustainability efforts.

1. Data Sources: The primary inputs are from the Packaging Business Units (BU) and FOBO external stakeholders. Their data is captured into SAP BPA for validation and error checking.
2. SAP ERP System: After validation, data flows into the SAP ERP, a comprehensive system that integrates all functional areas like Supply Chain, Quality, Financial Accounting, Production Planning, and more. Each module addresses specific business needs, ensuring centralized and all-encompassing data management.
3. Analytical Repository: Data is transformed and stored in an analytical repository within Azure SQL, ADF, or Synapse, ensuring efficient data warehousing and analytics. This robust system reinforces the confidence in our data management system.
4. Reporting & Dashboards: Power BI reports and dashboards provide real-time reporting and monitoring, empowering the teams with instant access to crucial data. The report will consider descriptive and metric needs, allowing for the traceability of sustainability metrics at the moment they are needed.
5. Process Flow Summary: The bottom part of the process flow summary encapsulates the entire process, from data entry to real-time analytics creation. This process is designed to streamline operations, ensure data accuracy, and ultimately, facilitate the publication of sustainability reports.

ESSENTIAL REPORTS SUBMITTED/GENERATED

Demand Planning

- Forecast Analysis
- FA & BIAS Snapshot Report
- FA & BIAS Live report
- FA & BIAS Dashboard
- Lag Analysis
- Forecast Volatility Report
- History Volatility report
- Exception Reports
- DFU's with no forecast
- DFU's with no history
- Revenue Report
- Shipment Variance Report
- Forecast Comparison report (shared)
- DFU Enrichment Report

Supply Planning

- Capacity Utilization
- Production planning
- Demand Satisfaction Report
- RP-SS Output comparison Report
- TS/RP Inventory Report
- RP Adherence Report – flat file

Executive Dashboard

- SP Score Card
- DP Score Card
- ISCP KPI Pyramid
- DP Execution Dashboard

Daily Production Planning

- BOA Report – Live Connection
- Historical Attainment Tool – Live Conn.
- MOAT – Live Connection
- Schedule Attainment – Flat file
- MPS Infeasible – Flat file
- MPS Adherence – Flat file
- MRP Data Comparison between 2 runs

SAMPLE REPORTS: SHIPMENT VARIANCE REPORT

Shipment Variance Report
Integrated Supply Chain Planning

Time

Year (Start Date): 2020 Month (Start Date): All Start Date: All Load Date: 20-Nov-20

Product Hierarchy

Brand: All Variance %: 0.00% to 76.54%

Trend Line by StartDate(Last 8 Weeks)

Brand	StartDate	QTYAFTER3YEARSLOAD	QTYBEFORE3YEARSLOAD	VARIANCE %
QUAKER-QUKNROA	01-Nov-20	2980	1688	76.54%
QUAKER-QKROTRDR	01-Nov-20	54468	45468	19.84%
LAWS-LAYS	01-Nov-20	1286938	1096768	17.34%
LAWS-LAYS	08-Nov-20	847550	728634	16.32%
QUAKER-QUKNROA	08-Nov-20	876	818	7.09%
QUAKER-QKRMLTG	01-Nov-20	68900	64471	6.87%
QUAKER-QKRINSO	01-Nov-20	464	442	4.98%
QUAKER-QKRCROC	01-Nov-20	45974	44338	3.69%
CHEETOS-CHEETOS	01-Nov-20	69965	67528	3.61%
QUAKER-QKRQCKO	01-Nov-20	70019	67705	3.42%
LAWS-LAYSDRG	01-Nov-20	237762	231658	2.63%
QUAKER-QKRCROC	08-Nov-20	30448	29790	2.21%
QUAKER-QKRMLTG	08-Nov-20	14437	14153	2.01%
QUAKER-QUKMUES	01-Nov-20	4088	4023	1.62%
CHEETOS-CHECRAC	01-Nov-20	5543	5464	1.45%
QUAKER-QKRINOT	01-Nov-20	737025	727521	1.31%
CHEETOS-CHETSTK	01-Nov-20	3490	3459	0.90%
QUAKER-QKROTRDR	08-Nov-20	18790	18629	0.86%
SUNBITES_20B-SNBITES	11-Oct-20	11403	11311	0.81%
QUAKER-QKRQCKO	08-Nov-20	90920	90200	0.80%
LAWS-LAYACH	01-Nov-20	60701	60310	0.65%
SUNBITES_20B-SNBITES	18-Oct-20	13538	13459	0.59%
LAWS-LAYSZHS	01-Nov-20	17589	17495	0.54%
CHEETOS-CHTOBGL	01-Nov-20	24854	24722	0.53%
QUAKER-QKRINOT	08-Nov-20	544991	542711	0.42%
LAWS-LAYSDRG	08-Nov-20	154995	154679	0.20%
QUAKER-QKRQNO	01-Nov-20	3013	3008	0.17%
CHEETOS-CHEETOS	08-Nov-20	41602	41544	0.14%

SAMPLE REPORTS: FORECAST COMPARISON REPORT

Forecast Comparison Report
Integrated Supply Chain Planning

Time

Week: All

Product Hierarchy

Brand: All Sub Brand: All Item: All

Location

DC: All

Summary By Location

Location	Demand FCST Qty	Supply FCST Qty	Variance %
OCTOBER FG WH ...	383,801,818.05	383,097,059.97	-0.18 %
SUNDAR	151,072,248.76	148,160,912.22	-1.93 %
SHSJ	68,324,512.24	66,216,792.80	-3.08 %
BOOUR FG WH (CFI)	63,452,544.57	63,369,937.22	-0.13 %
PHAGUAWLA WH ...	62,804,579.87	60,539,034.97	-3.61 %
GUANGZHOU	46,529,698.48	42,478,336.0	-8.71 %
NANJING	38,750,686.37	37,364,732.88	-3.58 %
JIASHAN	38,357,672.31	37,542,817.34	-2.12 %
DELTA (PCE)	35,946,417.37	35,946,417.37	0.00 %
MAROUTIY (PCE)	33,289,776.11	33,289,776.11	0.00 %
EL KHOSOU (CFI)	31,720,002.43	31,640,519.11	-0.25 %
AIN SHAMS (PCE)	31,415,033.04	31,415,033.04	0.00 %
6TH OCTOBER (PCE)	30,701,951.29	30,701,951.29	0.00 %
NASR CITY (PCE)	28,681,303.74	28,681,303.74	0.00 %
PATNA WH - BH	28,165,060.18	28,122,315.69	-15.05 %
BEIJING N	25,480,594.49	24,800,528.07	-2.67 %
WUHAN	24,989,839.51	23,379,477.94	-6.44 %
MOSTOROD (PCE)	24,900,973.98	24,900,973.98	0.00 %
PUNE WH - MH	24,783,670.54	24,631,825.06	-6.1 %
SANKRAIL WH - WB	23,095,943.18	23,079,289.88	-0.7 %
MAADI (PCE)	21,980,902.47	21,980,902.47	0.00 %
GUWAHATI WH - AS	21,822,971.24	21,796,452.26	-1.2 %
CHENGDU	21,791,820.33	21,064,031.77	-3.34 %
TANASH -DC (CFI)	20,632,106.62	20,593,128.72	-0.19 %
ABO SEER (CFI)	19,521,860.99	19,491,764.09	-0.15 %
JINAN	19,147,645.75	18,426,974.79	-3.76 %
AMREYA (PCE)	18,164,026.17	18,164,026.17	0.00 %

Summary By Business

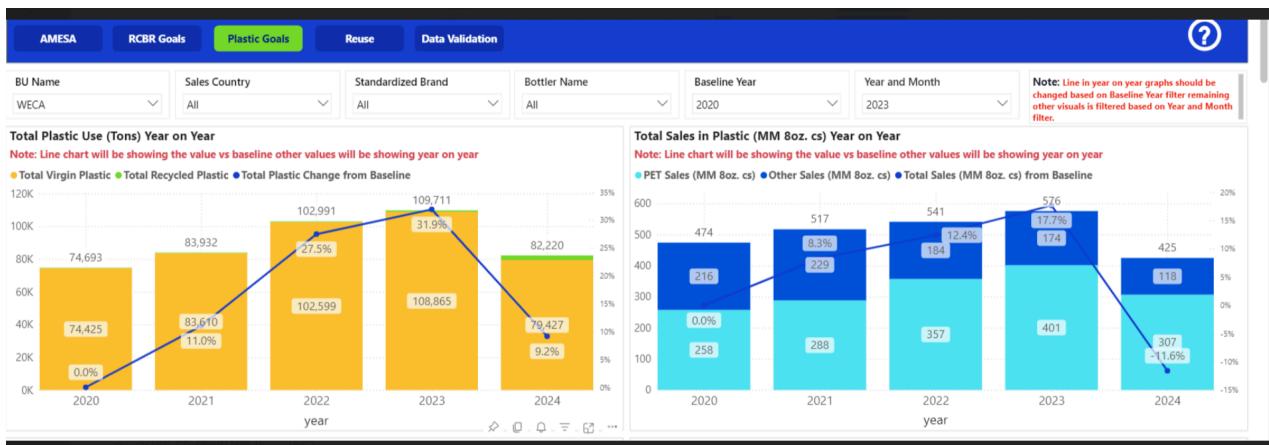
Business	Demand FCST Qty	Supply FCST Qty	Variance %
CFI	580,359,756.60	579,331,486.73	-0.18 %
CN	395,143,917.26	376,934,748.54	-4.61 %
IN	435,200,651.50	431,383,911.60	-0.88 %
PCE	370,237,839.01	370,237,839.01	0.00 %
PK	151,072,248.76	148,160,912.22	-1.93 %
SSFL	66,503,989.22	66,442,703.70	-0.09 %
TH	41,522,631.19	39,979,827.76	-3.72 %
Total	2,040,041,033.54	2,012,471,429.56	-1.35 %

Summary By Top 15 Items

Item	Market	Demand FCST Qty	Supply FCST Qty	Variance %
LAYS STAX SALTED ...	TH	763.53	1,725.93	126.05 %
DORITOS BBQ(NEW...)	CN	529.14	978.37	84.90 %
QUAKER MP IO JAR... CN	CN	295,732.25	497,580.20	68.25 %
QUAKER FANCYLAT... CN	CN	58,242.43	97,987.56	69.24 %
QUAKER TBO GRAIL... CN	CN	810.13	1,351.45	66.02 %
LAYS ROCK EXTRA ... TH	TH	98,964.95	160,252.65	63.93 %
DORITOS SPICY BB... TH	TH	18,266.48	27,995.26	51.26 %
DORITOS CLAS SALT... TH	TH	46,174.26	70,630.85	51.97 %
LAYS CLAS SALT 13... TH	TH	415.74	931.66	14.38 %
Total		972,685.43	1,482,787.88	52.44 %

Summary By Product

Brand	Sub Brand	Item	Demand FCST Qty	Supply FCST Qty	Variance %
7UP	7UP	7UP 1.9L PET 6X-3600073...	21,348,659.47	21,348,659.47	0.00 %
7UP	7UP	7UP 195ML RGB 24X FD-3...	353,839.62	353,839.62	0.00 %
7UP	7UP	7UP 1L RGB 12X-36000021...	378,172.86	378,172.86	0.00 %
7UP	7UP	7UP 250ML CAN 24X-3600...	8,740,159.82	8,740,159.82	0.00 %
7UP	7UP	7UP 250ML PET 12X-3600...	2,587,610.26	2,587,610.26	0.00 %
7UP	7UP	7UP 300ML NRR 12X AD-3...	20,888.98	20,888.98	0.00 %
7UP	7UP	7UP 330ML X24 CANS TAL...	12,675,127.25	12,675,127.25	0.00 %
7UP	7UP	7UP 350ML RGB 24X FD-3...	3,499,429.89	3,499,429.89	0.00 %
7UP	7UP	7UP 400ML PET 12X-3600...	2,033,628.21	2,033,628.21	0.00 %
7UP	7UP	7UP 970ML PET 6X-36000...	8,273,801.49	8,273,801.49	0.00 %
7UP	7UP	NOT AVAILABLE-NOT AVAI...	0.00	0.00	0.00 %
7UP FREE	7UP FREE	7UP FREE 970ML PET 6X-3...	309,988.79	309,988.79	0.00 %
7UP FREE	7UP FREE	NOT AVAILABLE-NOT AVAI...	0.00	0.00	0.00 %
AQUAFINA	AQUAFINA	AQUAFINA 1.5L 12X FASFT...	20,237,662.18	20,237,662.18	0.00 %



KEY PERFORMANCE INDICATOR

PepsiCo maintains effective operations with the help of a detailed and extensive list of Key Performance Indicators (KPIs). These KPIs ensure that PepsiCo undertakes sustainable measures, utilizes supply chain processes effectively, oversees production processes within set limits, and reports correctly. Below is the list of the main groups as well as individual indicators:

1. Sustainability KPIs

The environmental impact is tracked through KPIs aligning with PepsiCo's mission to protect the environment. These KPIs not only measure but also drive the progress made in achieving environmentally desirable targets, like lowering the consumption of different materials and the production of waste. This proactive approach instils optimism about the positive impact of PepsiCo's sustainability efforts.

- **Carbon Footprint Reduction:** This is the Sum of all Emission Sources Grouped by Production, transportation, construction, and even packing, including this carbon footprint. Also, Targets are set each year in action plans to decrease emissions. The goal of the achievement of net-zero carbon emissions is an ambitious target set for the year 2040, inspiring confidence in PepsiCo's commitment to sustainability.
- **Water Efficiency:** The water usage in the process is tracked in terms of how effective each production unit is in terms of water usage, i.e. litres of water per one unit produced. This KPI is of utmost importance, as it ensures efficient water use with a significant focus on reducing the use of freshwater from the sources and enhancing the water recycling rate in the regions where water is scarce. This emphasis on responsible water usage should reassure the audience about PepsiCo's commitment to sustainability.
- **Minimizing the use of virgin plastics**:** This is the amount of virgin plastic used in product packaging over the years. This KPI demonstrates how serious the company is in addressing issues of virgin plastics usage in its packaging, focusing on transforming materials for use inside the packaging instead of for waste.

2. Supply chain and Operational KPIs

Supply Chain Key Performance Indicators (KPIs) play a crucial role in achieving operational excellence at PepsiCo. These metrics are instrumental in optimizing stocks, using discretization, and enhancing the service level, making them a key focus for supply chain management in any organization.

- Inventory Turnover is a KPI that measures the management's proficiency in inventory. It assesses the proportion of goods sold and how quickly these goods are replaced within a specific time frame. A high degree of inventory turnover is not just desired, but it's a clear indicator of effective management. It reduces costs associated with holding stocks and the risks of the stocks becoming unwanted or obsolete, making it a key factor in efficient stock management.
- Order Accuracy is a KPI that ensures every order is done accurately. It's measured by the number of orders supplied without mistakes at the first attempt. A high level of order accuracy not only saves on extra operations costs, but it also significantly increases customer satisfaction by reducing returns and complaints, reflecting the customer-centric approach of PepsiCo's supply chain management.
- On-Time Delivery: The percentage of orders delivered as per the promised date. This KPI has a direct bearing on the satisfaction levels of customers and indicates how efficient the logistics and distribution processes are.

3. ERP System Performance KPIs

The system-related KPIs evaluate the efficiency and effectiveness of PepsiCo's ERP and complementary digital systems. These KPIs are essential for curbing operational losses and ensuring business continuity.

- Availability: Describes the system's availability, implying the percentage of time the ERP system is fully functional and accessible out of the 24 hours. Increasing uptime percentages is critical to ensure business operations are not interfered with.
- Transaction Processing Speed: This measures the transaction processing speed of the ERP system, which affects the efficiency of users and the productivity of the entire system. Since processing times are lower for better employee experience, data is readily available when required.
- Data Accuracy: Refers to the quality of data that has been keyed in or worked on by the system whereby it adheres to the expected norms and standards. This KPI is crucial in the need for confidence in the system's outputs as the system itself would have to analyze data that is fitted with errors, resulting in erroneous figures.

4. Quality Management KPIs

Quality Management KPIs play a crucial role in maintaining the standards of our products and adhering to regulatory requirements. By ensuring that our product offerings meet both our company's rigorous standards and our customers' high expectations, these KPIs underscore our commitment to quality.

- Packaging Errors Percentage KPI is a key tool in our quality control arsenal. By monitoring the occurrence of defects in our packaging processes, such as incorrect labelling or wrong quantities, we can ensure that our products meet the highest standards. Lower error rates not only indicate better quality control but also result in minimal recalls and, most importantly, customer dissatisfaction.
- Compliance with the Legal Requirements KPI is a critical measure of our ability to observe the law when providing goods or services. By ensuring safety and quality among the goods or services we provide, this KPI significantly reduces legal-related dangers and enhances the reputation of our brand.

5. Reporting and Analytics KPIs

Reporting must be precise, punctual and effective to facilitate concrete decision-making. However, the performance of these aspects is of great importance as it provides management with meaningful information.

Report Accuracy: The reliability of ERP reports is assessed. This is essential for making business decisions and for the preservation of data.

Timeliness: Assesses the report turn-around time and accessibility to the end users. Speedy reporting facilitates timely evaluation of situations and prompt market response.

Data Transformation Efficiency: The successful execution rate of processes to convert raw data into usable and understandable information is determined. Successful data transformation aims to lower the need for internal processes, increase data effectiveness, and speed up the reporting process.

CHALLENGES

The challenges faced by PepsiCo in implementing and integrating ERP are:

- Data Integration Issues: There is a lot of time and effort needed to integrate old systems with the new ERP systems
- User Adoption: There is bound to be resistance and learning turnaround time from employees during the phase of shifting to a new technology
- Customization and Scalability: These are not just technical terms, but crucial factors that ensure the system's flexibility without compromising future growth.
- Data Security: This is not just a technical aspect, but a critical concern that demands our utmost attention. It's about ensuring that there are no leaks of sensitive information and that data is kept safe.
- Cost Management: This is not just about working within a set financial expenditure. It's about making prudent financial decisions, especially during the implementation phase, to ensure that we do not overspend.

LEARNINGS

- ERP Integration for Global Operations
- Flexibility and Scalability of ERP Systems
- Embedding Sustainability in Information Systems
- Challenges in Data Integration and Real-time Processing
- Key Metrics for Measuring System Success

Thank You