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SYNODUS Data Analytics Portfolio

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Who we are

SYNODUS puts your data to work by making business performance visible and delivering analytics solutions that solve your critical challenges.

We offer both standard and bespoke solutions that are ready no matter which stage you are in the process. Our user-comes-first approach means taking a deep-dive analysis about business users to truly understand their wants, needs and working preferences, so we can craft both meaningful and ease-of-use solutions.

We have well-established experience working with confidential and regulated data sets. Regardless of industry, we place data security uppermost in our mind so as to prevent data breaches and ensure superb security.

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● Our vision

Shaping the future digital world with visionaries, leaders, and entrepreneurs. As a partner, we're vested in every project where we're involved. That's why our People, Process, and Pricing are committed to your success.

05+
Years of Experience

250+
Team Members

90+
Portfolio Projects

Based in Hanoi, Vietnam

● Our compliances

Trust is Earned Through Accreditations

The Gold Partner status reflects our commitment to a learning culture, possessing top talent, and operational excellence as we deploy leading analytics and Azure cloud solutions for our customers.

Microsoft Partner | Gold Data Analytics

Microsoft

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● Our clients

Our customers consider us as the partner of choice for their mission critical AI & Data Analytics Projects.

**GOLDEN GATE** | **VSMART** | **BOODY** | **AVIS** | **HITACHI** | **TECHCOMBANK**

TaylorMade | **NGHI SON REFINERY AND PETROCHEMICAL LLC** | **SMART CHANNEL PTY. LTD.** | **recurrent** | **BERGEBULK**

Hearing from our customers & partners

Country Manager
Softline

As a leading Microsoft license provider, we entrust Synodus with our clients' BI and Data Analytics needs. Our past year of partnership has seen spectacular customer feedback and we'll count on them for many more years to come
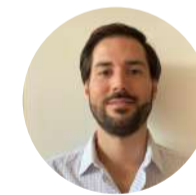
Demand & Operations Planning Analyst
Boody

Synodus enabled key users to easily extract insights without having to learn each software and its limitations, fueling the business intelligence self-service journey. When working on analytics, we now have one source of truth which allows us to swiftly present business cases on a monthly basis, remaining an agile company in an ever-changing world

● Our Data services

Business Intelligence Reports & Dashboards

We discover your business needs, automate reporting process and build reports

Data Warehouse

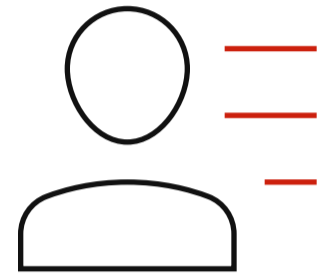We design your data management system and gather data from sources into one storage

AI & Data Science

Boost production and revenue, understand user experience
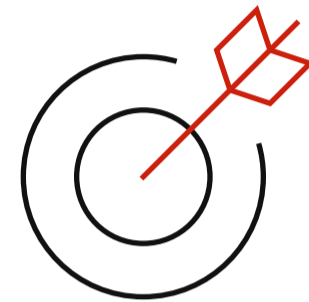
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● Our solution

(Enterprise Analytics)

Customer Analytics

Get a centralized understanding of your customers, boost conversion and improve customer experience at every touchpoint

- ✔ Have a 360° view of your customers
- ✔ Gain insights on customer behavior in different segments
- ✔ Personalize product recommendations

Supply and Demand Planning

Optimize costs in logistics operations, plan ahead to meet customers' needs seamlessly.

- ✔ Analyze patterns in the supply chain and forecast future demand
- ✔ Plan your inventory based on understanding of customer demand
- ✔ Design optimal shipment pricing and delivery routes
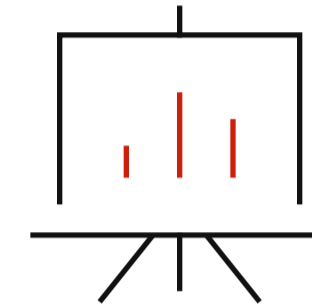
Marketing Analytics

Identify the best-performing channels and campaigns and capture more prospects, stay competitive in the market with insights about your competitors.

- ✔ Measure effectiveness of marketing spends and predict ROI
- ✔ Enhance multi-channel attribution models to define the most effective marketing channels and increase traffic
- ✔ Personalize marketing with customer data
- ✔ Leverage social media data to learn market trends and sentiments

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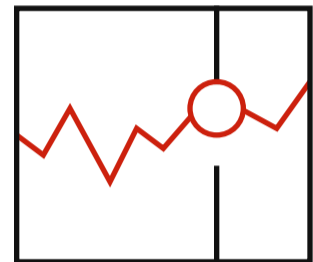
Sales Monitoring

Visualize the journey that leads up to conversions, minimize abandonment rate.
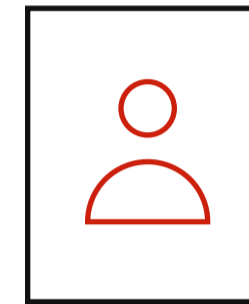
- ✔ Forecast sales
- ✔ Analyze performance of conversion journey
- ✔ Analyze user retention and identify drivers

Finance Management

Manage revenues and costs, track and forecast financial KPIs.

- ✔ Automate management of financial statements and KPIs
- ✔ Track company wide performance against quarterly goals
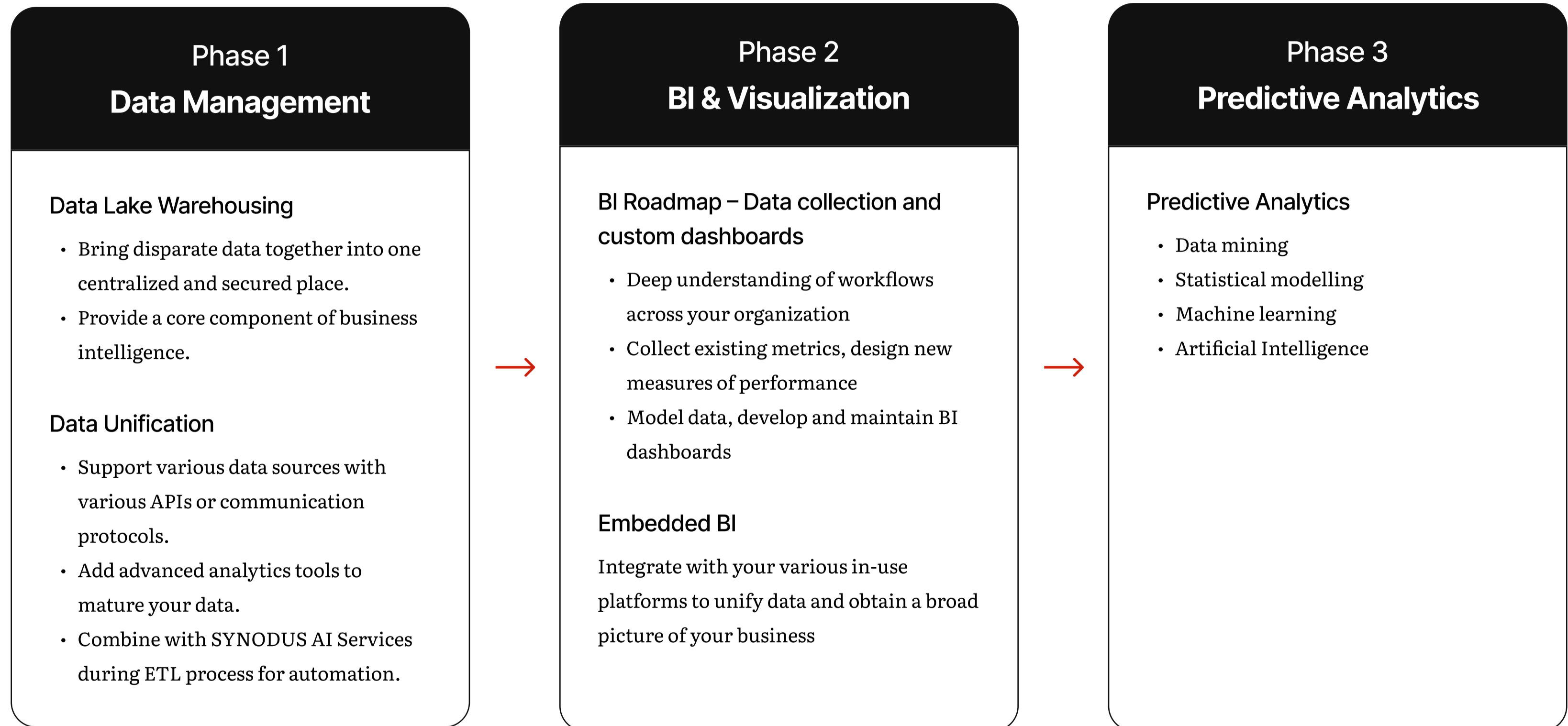- ✔ Budget and forecast

HR Management

Take away the guesswork in recruiting, nurturing and reviewing your workforce - make people decisions with numbers

- ✔ Understand all round aspects of your workforce
- ✔ Analyze exit drivers
- ✔ Identify gaps in skills and resources to plan ahead

Methods & Techniques

Analytics Framework

Phase 1
Data Management

Data Lake Warehousing

- Bring disparate data together into one centralized and secured place.
- Provide a core component of business intelligence.

Data Unification

- Support various data sources with various APIs or communication protocols.
- Add advanced analytics tools to mature your data.
- Combine with SYNODUS AI Services during ETL process for automation.

→

Phase 2
BI & Visualization

BI Roadmap – Data collection and custom dashboards

- Deep understanding of workflows across your organization
- Collect existing metrics, design new measures of performance
- Model data, develop and maintain BI dashboards

Embedded BI

Integrate with your various in-use platforms to unify data and obtain a broad picture of your business

→

Phase 3
Predictive Analytics

Predictive Analytics

- Data mining
- Statistical modelling
- Machine learning
- Artificial Intelligence

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**Phase 1** # Data Management

We help transform data and deploy holistic data management capabilities

Business Outcomes

- ✓ A holistic view of your company's ecosystem of data and relationships

- ✓ Establish a Single source of truth

- ✓ Real-time analytics with richer visualization and exploration

- ✓ Identification and development of new products and business models

- ✓ Better decisions and accurate data-based improved operations

- ✓ Capture and store unlimited source data on cloud for as-yet-unforeseen needs

90% of Digital Champions begin by **investing in data governance** as they build their enterprise data management capabilities.

What separates Leaders in data management?

Industry Leaders (Digital Champions)	Rest of Industry
10% / 90%	40% / 60%
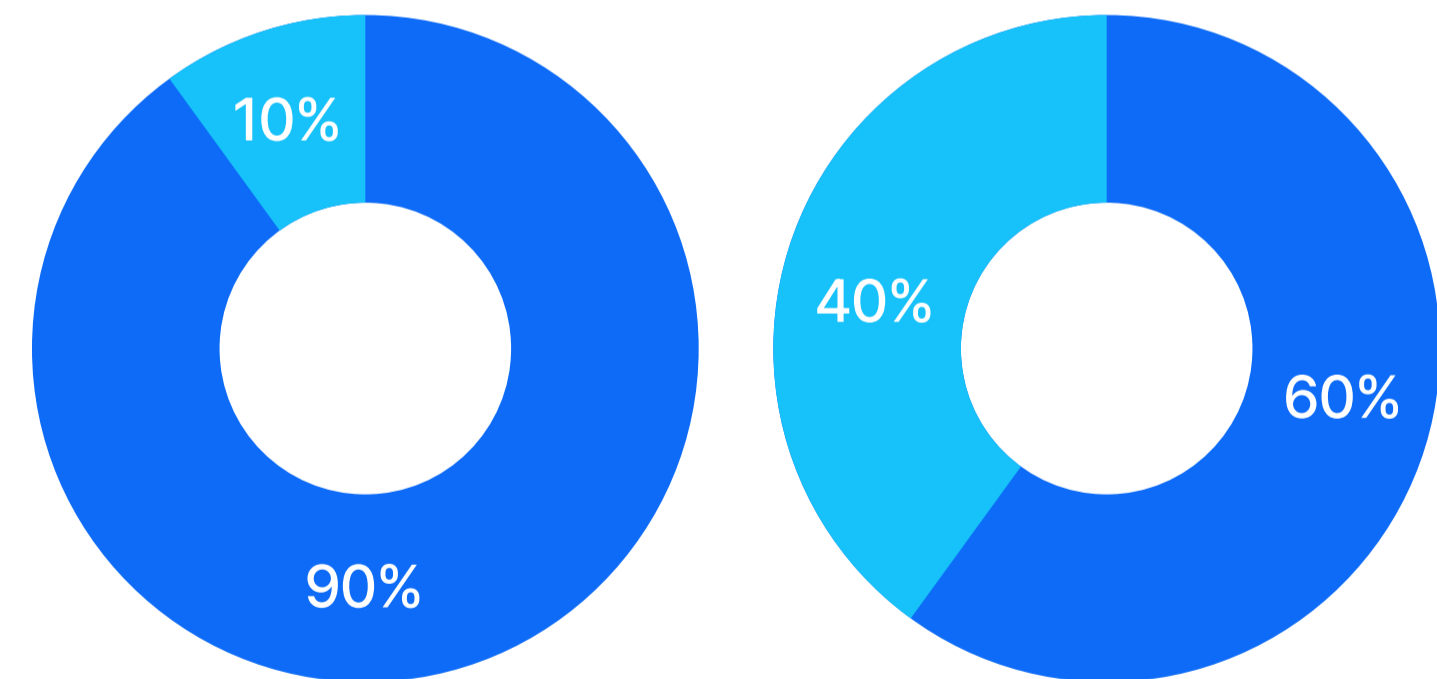
Deployment Model

Big Data Architecture

Lambda Architecture

On-premise Solution

Hybrid Solution

Cloud Technologies

Technologies

RDBMS	No SQL	Big Data
MySQL	mongoDB	APACHE hadoop kibana
PostgreSQL	CouchDB	APACHE HTTP SERVER PROJECT logstash
ORACLE	cassandra	APACHE Spark kafka
amazon RDS	elasticsearch	elasticsearch
amazon AURORA	amazon DynamoDB	snowflake
SQL Azure SQL H2		tableau
		Power BI
		Azure Google Cloud Platform

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Phase 1 Big Data Architecture

Data Sources	Data Acquisition Layer	Messaging Layer	Data Ingestion Layer	Batch Processing Layer	Serving Layer	Operation and Management Layer

Data Sources
- RDBMS
- NoSQLDB
- -
- Logs, Files ..

Data Acquisition Layer
- Apache Sqoop
- Apache Nifi

Messaging Layer
- Apache Kafka

Data Ingestion Layer
- Apacge Flume
- Kafka Consumer
- Spark-Kafka Connector

Batch Processing Layer
- HDFS, Hive, Impla

Realtime, Near-realtime Processing Layer
- Flume, Spark Steaming, Flink

Serving Layer
- Data loading: Hive, Sqoop Export Impapla
- Data as service: Spring boot services, WSO2
- Synodus AI Ecosytem

Data Loading → DATA WAREHOUSE (Oracle, MySQL, MongoDB, Files) → Data Loading → Data mart / Data mart / Data mart

- Reparting
- Mining
- Analyst (OLAP)

Enterprise Integrator

Data Lake – Data Storage Layer

HDFS	HBase	Elastic Search	Solr	MongoDB	MySQL

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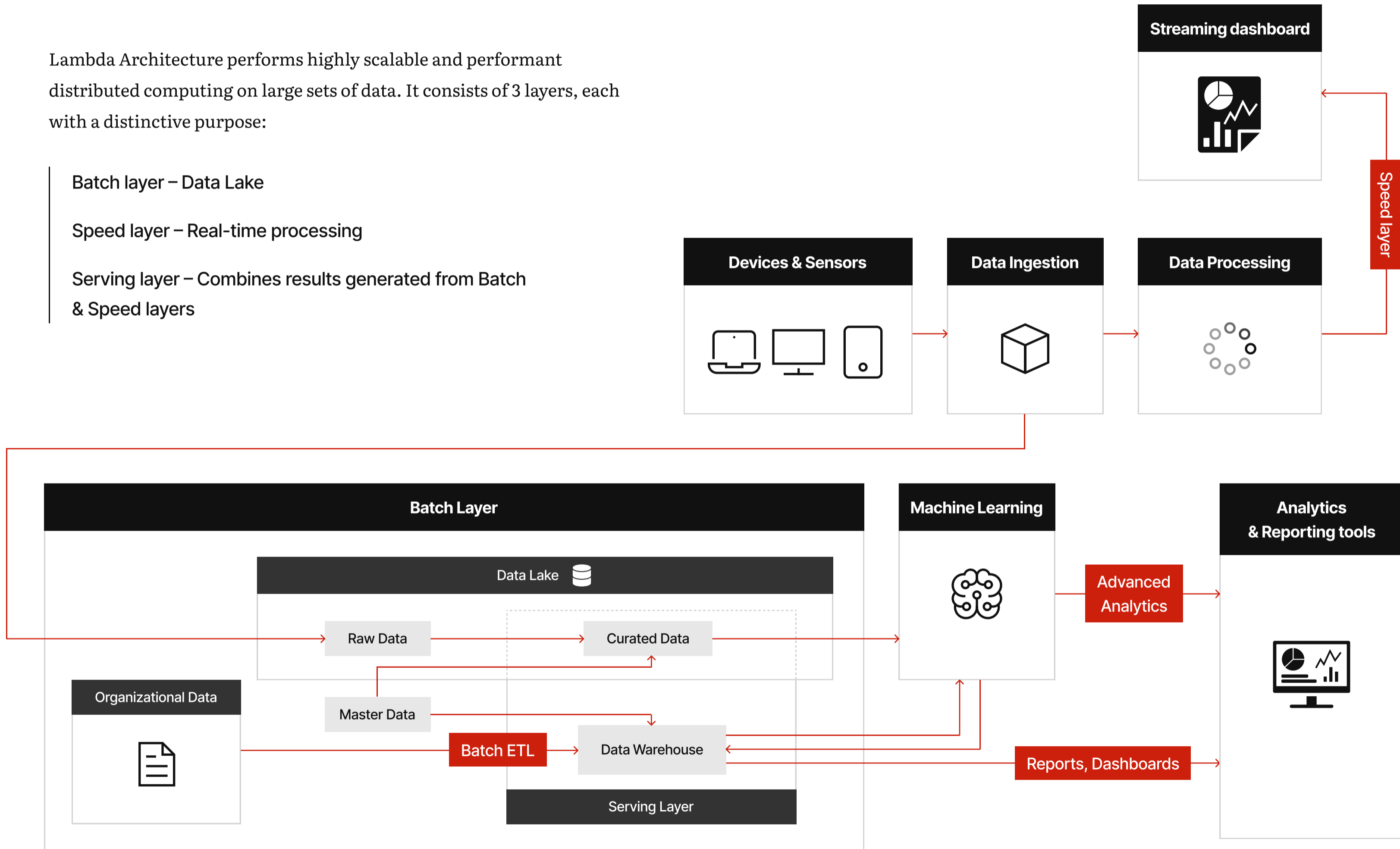
Lambda Architecture

Lambda Architecture performs highly scalable and performant distributed computing on large sets of data. It consists of 3 layers, each with a distinctive purpose:

Batch layer – Data Lake

Speed layer – Real-time processing

Serving layer – Combines results generated from Batch & Speed layers

Streaming dashboard

Speed layer

Devices & Sensors

Data Ingestion

Data Processing

Batch Layer

Machine Learning

Analytics & Reporting tools

Data Lake

Raw Data

Curated Data

Advanced Analytics

Organizational Data

Master Data

Batch ETL

Data Warehouse

Reports, Dashboards

Serving Layer

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Phase 1 ## Deployment Model

On-premise Solution

Apache Hadoop - the most ubiquitous Big Data solution globally
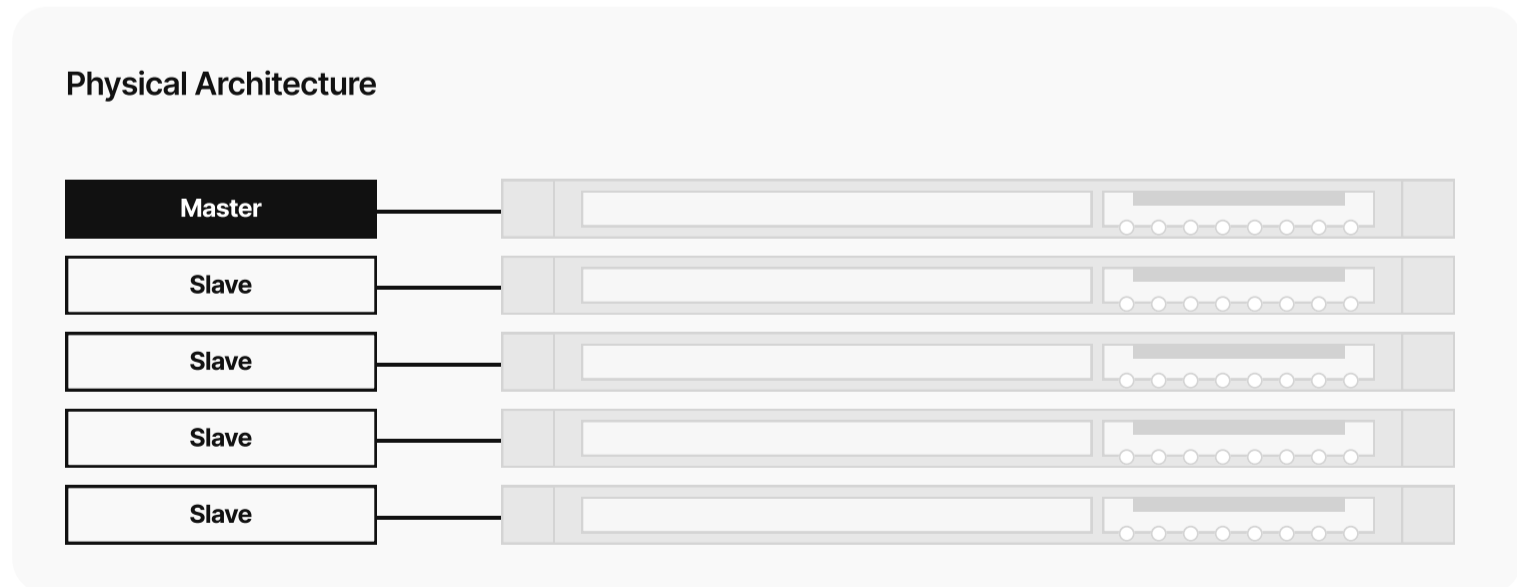
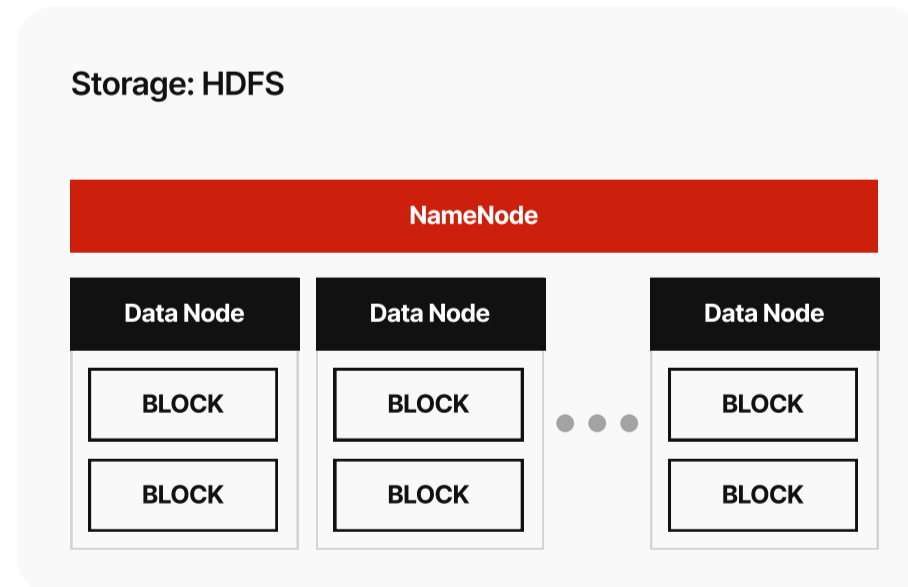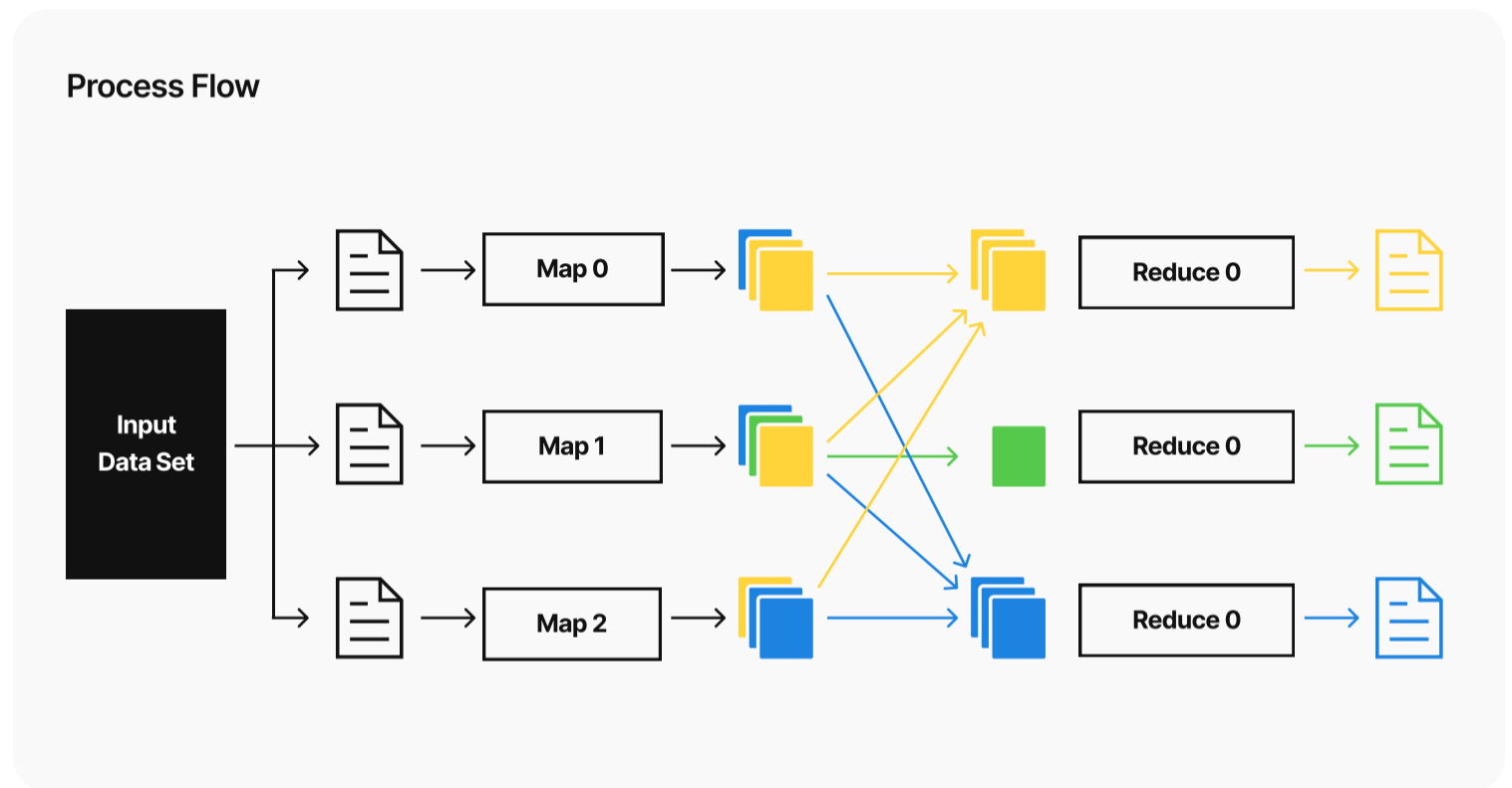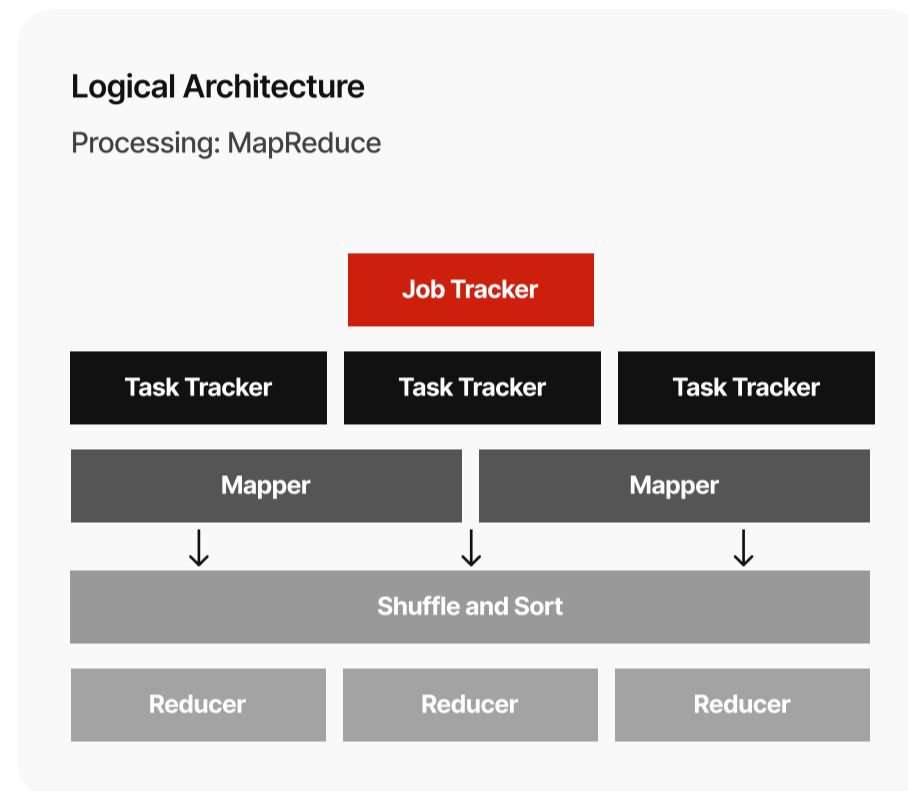Ability to manage large amounts of data

Fast access - data reading/writing is performed simultaneously on multiple worker nodes

High scalability – via additional worker nodes or data management clusters

Competitive investment cost.

Ability to process streaming data, serve multiple applications & access multiple data sources simultaneously

Support both structured and unstructured data.

Logical Architecture

Processing: MapReduce

Job Tracker

| Task Tracker | Task Tracker | Task Tracker |

| Mapper | Mapper |

Shuffle and Sort

| Reducer | Reducer | Reducer |

Process Flow

Input Data Set

Map 0 → Reduce 0

Map 1 → Reduce 0

Map 2 → Reduce 0

Storage: HDFS

NameNode

Data Node	Data Node	Data Node
BLOCK	BLOCK	BLOCK
BLOCK	BLOCK	BLOCK

Physical Architecture

Master

Slave

Slave

Slave

Slave

HADOOP ARCHITECTURE

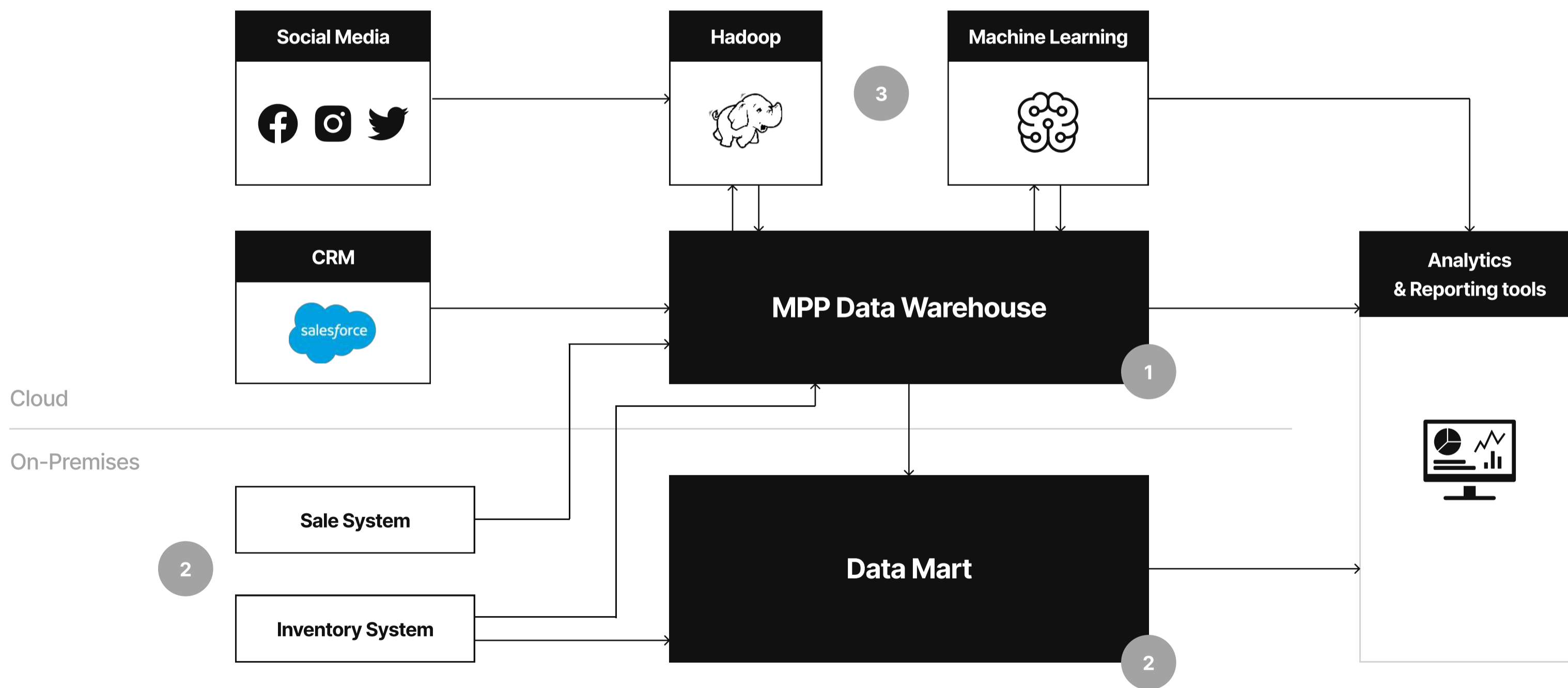**Phase 1** **Deployment Model**

Hybrid Solution

Flexibility to locate data and services based on business needs
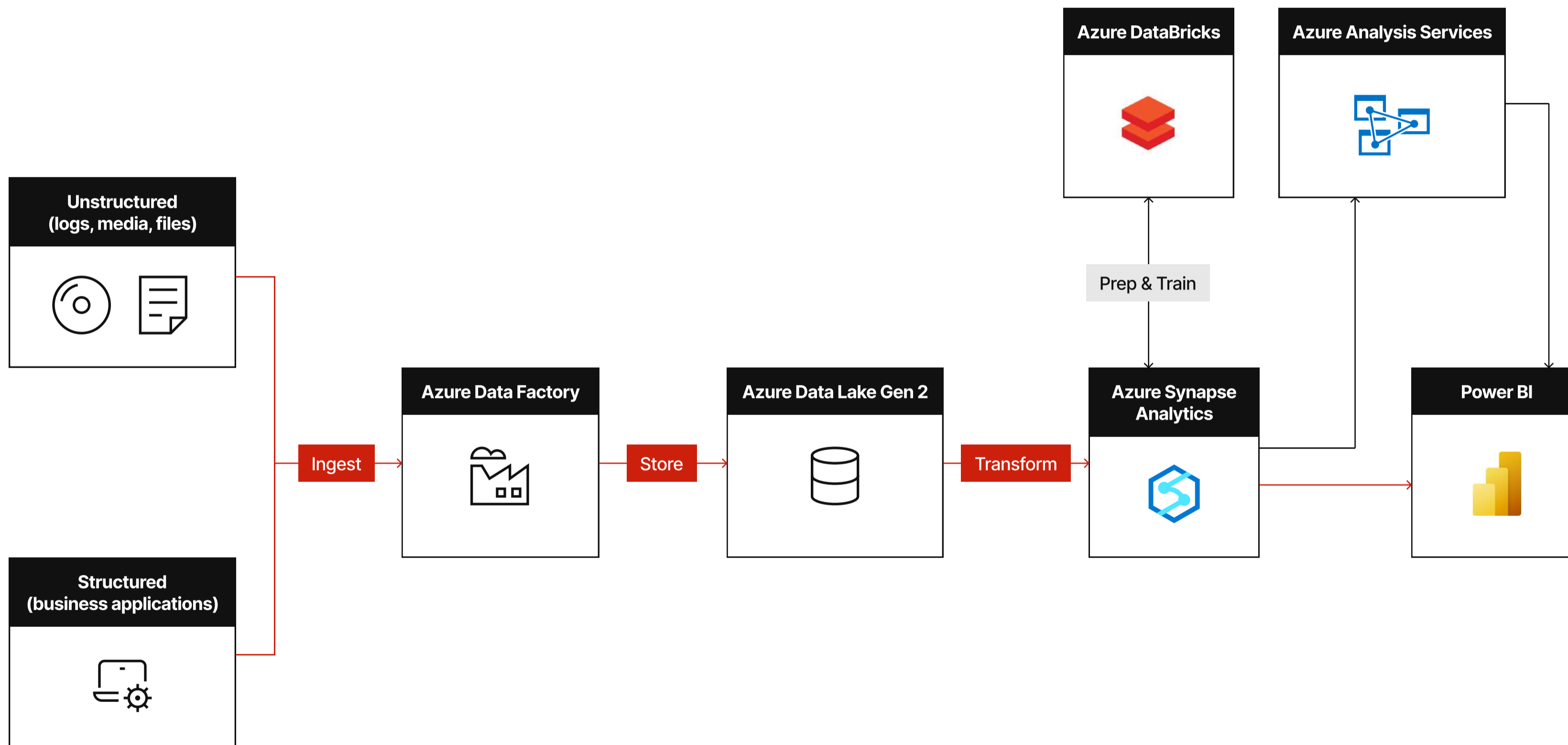
Freedom to choose and change environments quickly

Analytics workload & resource optimization

Clear visibility, integrated control, governance & security

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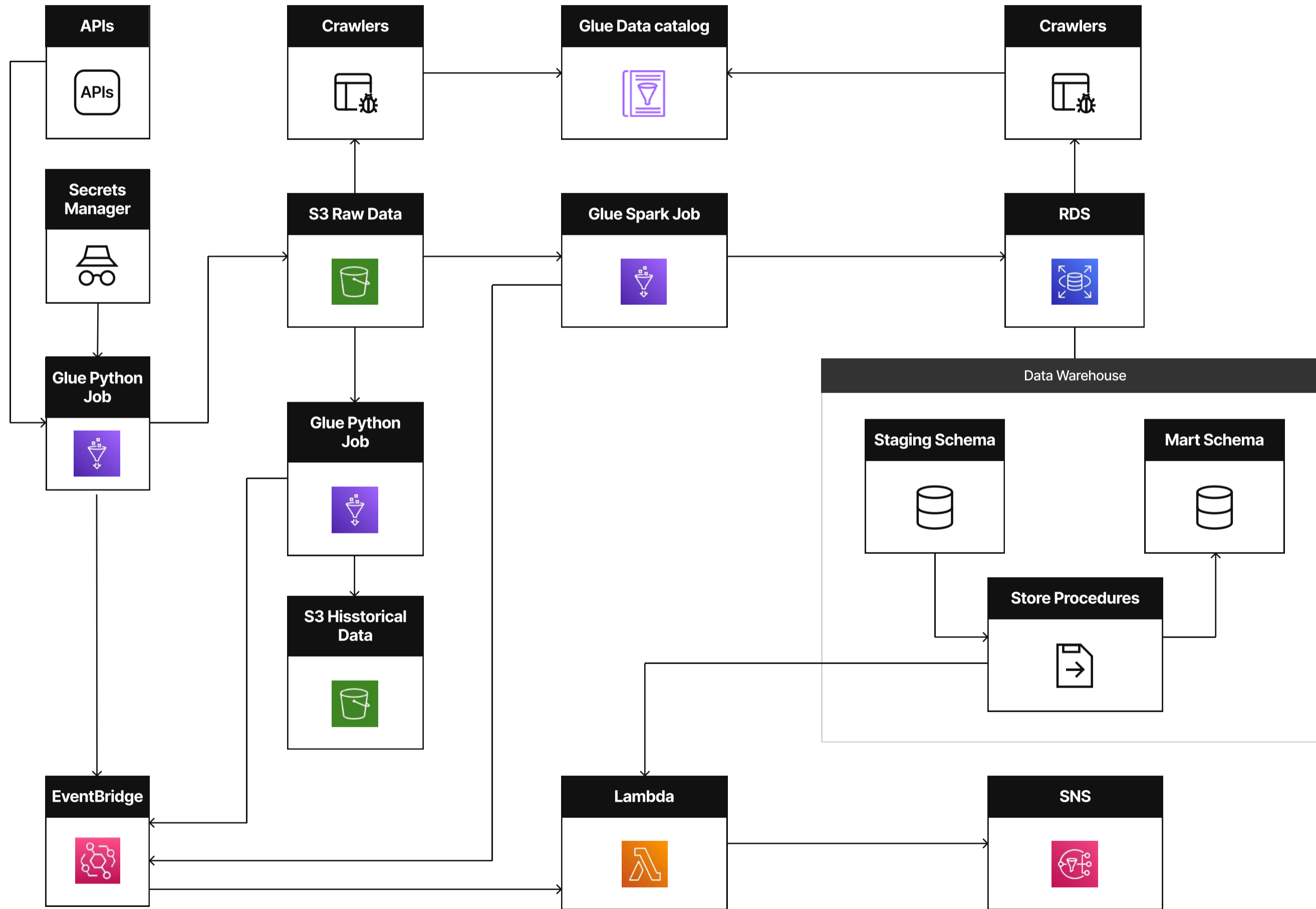**Phase 1** **Deployment Model**

Cloud Technologies: Microsoft Azure

Azure DataBricks

Azure Analysis Services

**Unstructured
(logs, media, files)**

Prep & Train

**Structured
(business applications)**

Azure Data Factory

Ingest

Azure Data Lake Gen 2

Store

**Azure Synapse
Analytics**

Transform

Power BI

Phase 1 Deployment Model

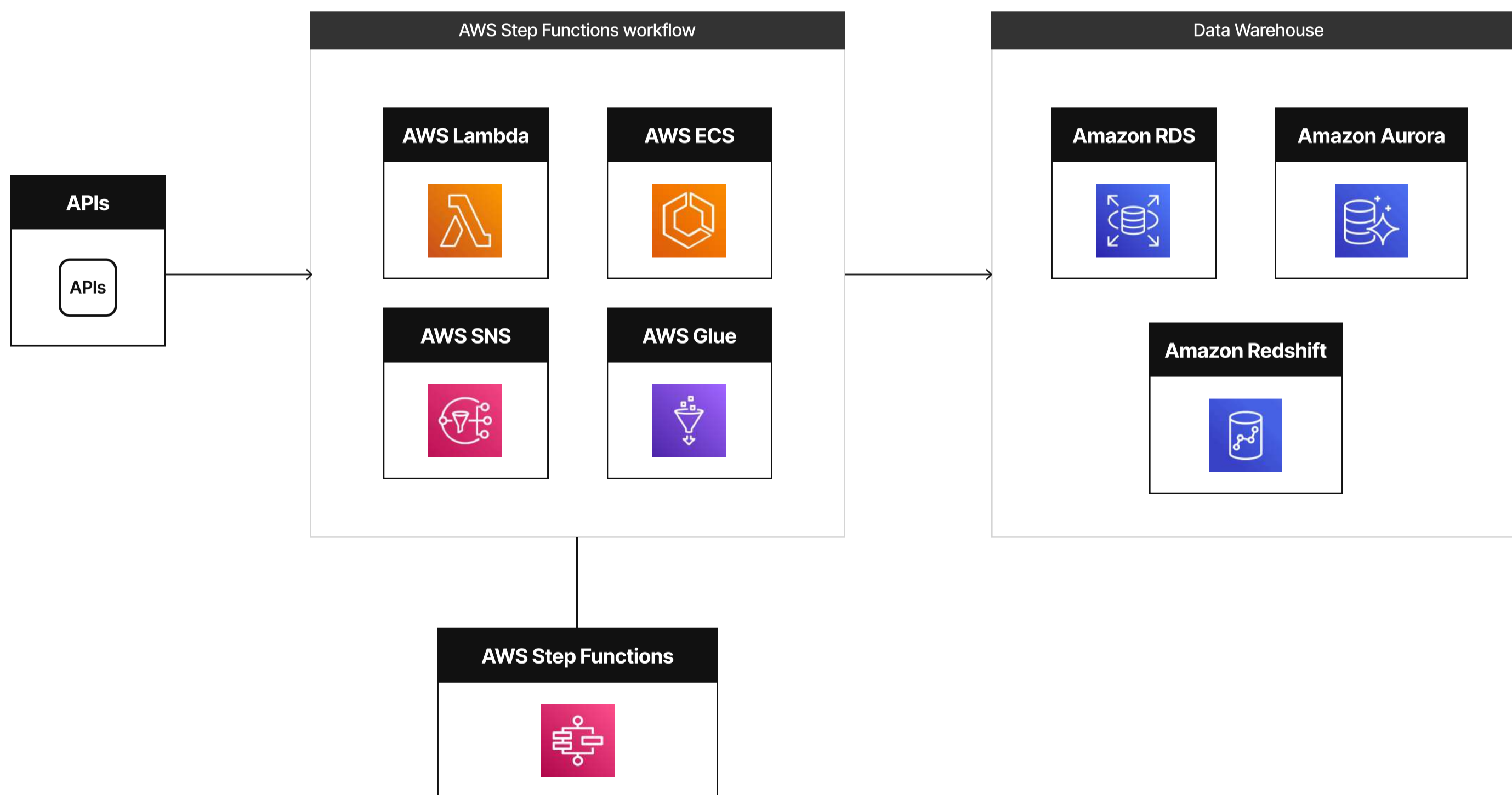Cloud Technologies: Amazon Web Services

Pull data via API then transfer them to Data Warehouse daily

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Phase 1 **Deployment Model**
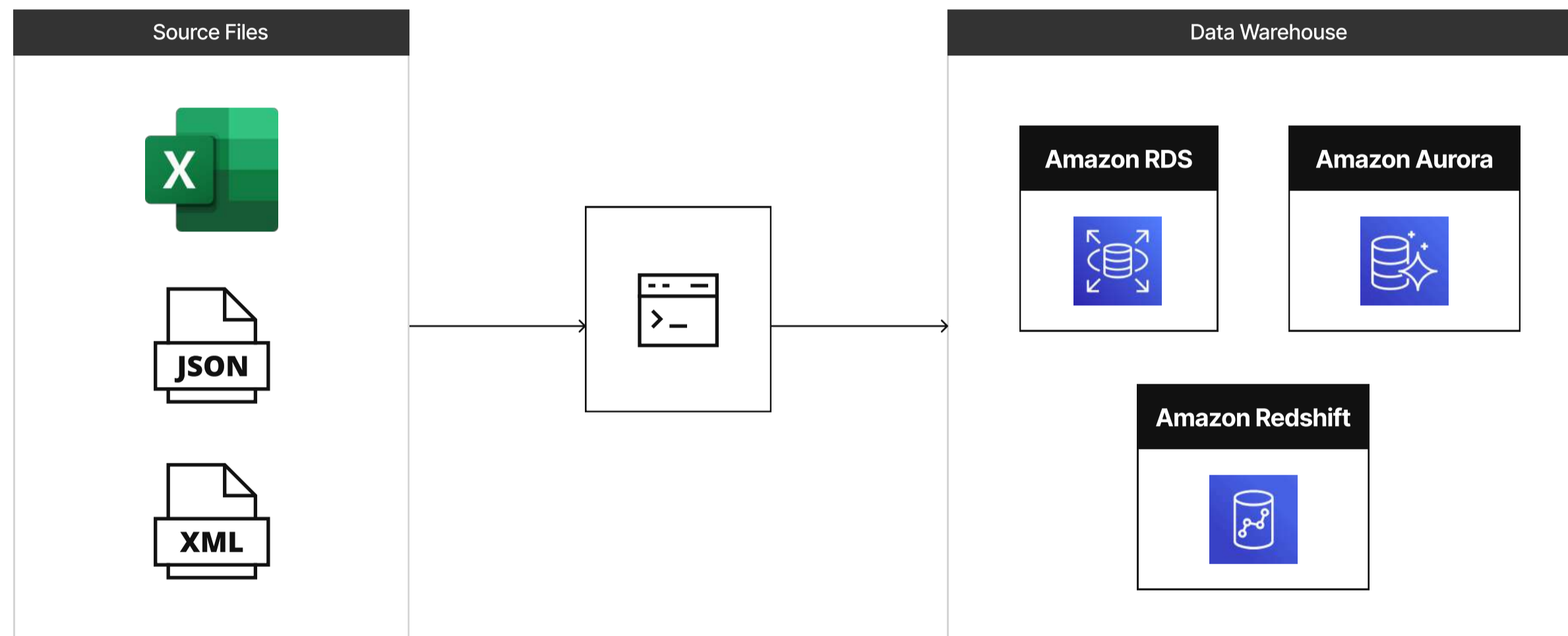
Cloud Technologies: Amazon Web Services

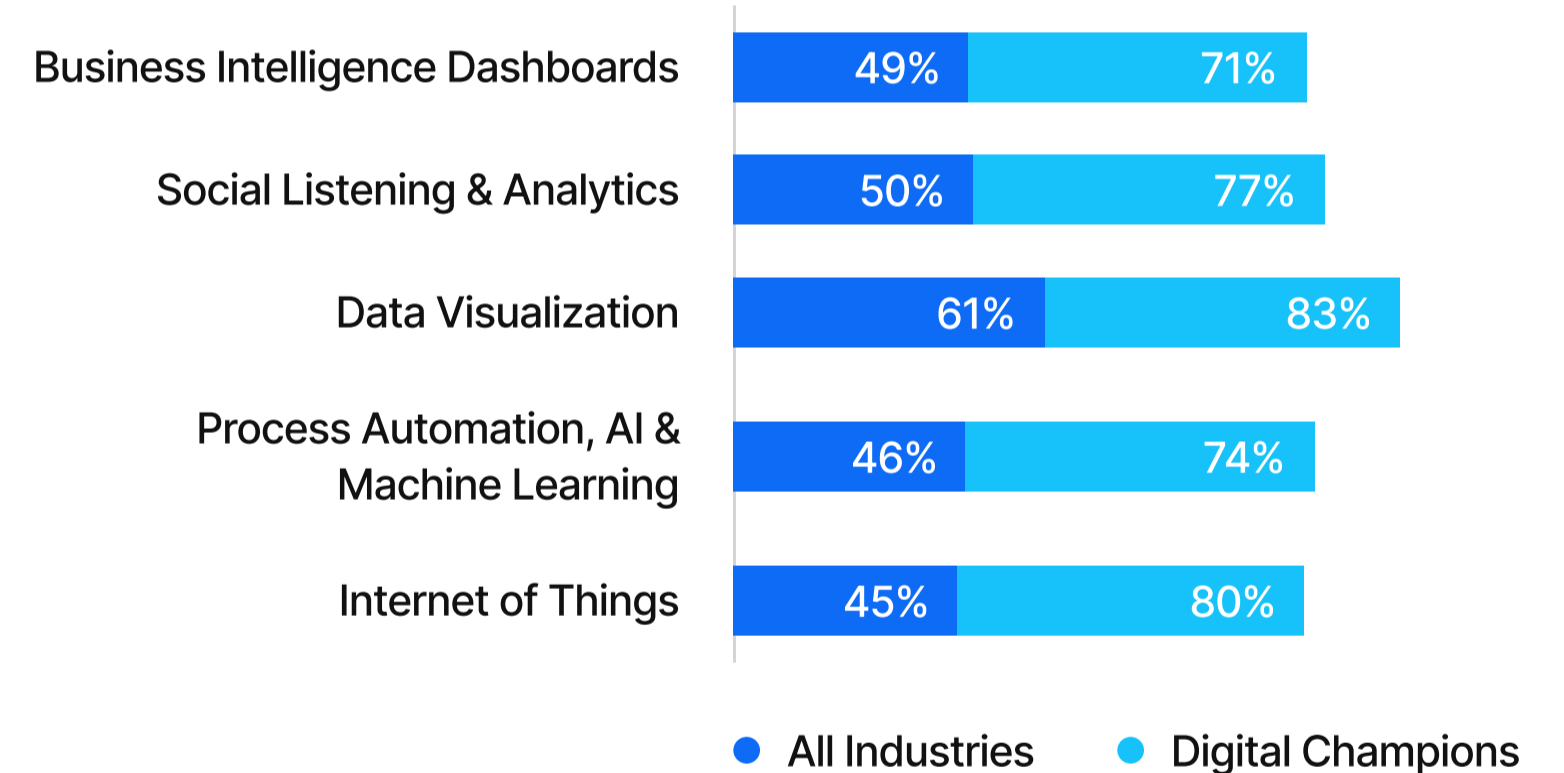Pull data via API then transfer them to data warehouse every 5 minutes

Phase 2 ## BI & Visualization

We help your organization build interactive dashboards, self-service BI platforms, and data analytics capabilities

Business Outcomes

- ✓ On-demand access to data that matters to make fact-based decisions
- ✓ Aggregate and present data in user-friendly formats
- ✓ Enable business users to identify and illustrate KPIs and trends to avoid missteps, as well as exploit opportunities
- ✓ Improve productivity and efficiency
- ✓ Integrated view of goals vs progress

Survey question: What new analytics capabilities do you plan to build within the next two years?

	All Industries	Digital Champions
Business Intelligence Dashboards	49%	71%
Social Listening & Analytics	50%	77%
Data Visualization	61%	83%
Process Automation, AI & Machine Learning	46%	74%
Internet of Things	45%	80%

● All Industries ● Digital Champions

% of Global IT Decision-Makers

Data Values (%) = Significant Investments in Key Areas + Enterprise-Wide Analytics Initiatives as Combined Value

N = 756 (All Industries)   N = 31 (Automotive)   N = 35 (Digital Champions)

Phase 2 **BI & Visualization**

How we work together

Throughout the process, our BI experts ensure that you realize the maximum benefits of the deployed BI solution by working closely with your business and IT teams during change management. What we offer:
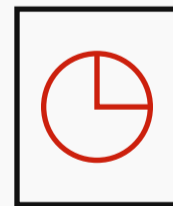
Strategic planning, BI assessments, BI roadmaps

BI tools selection

Prototype and proof-of-concept exercises

BI architecture design and optimization

Analytics reporting automation, Dashboard development

Our Step-up Approach informs and aligns stakeholders at every phase of the BI implementation
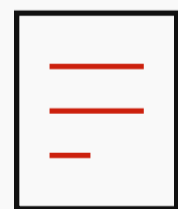
Advanced Analytics

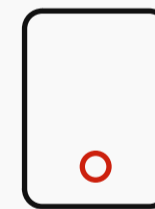Level 5

Self-Service Capability

Level 4

Dashboards

Level 3

Opetation Reporting

Level 2

Manual

Level 1

Show case

Sales & Marketing - Overview
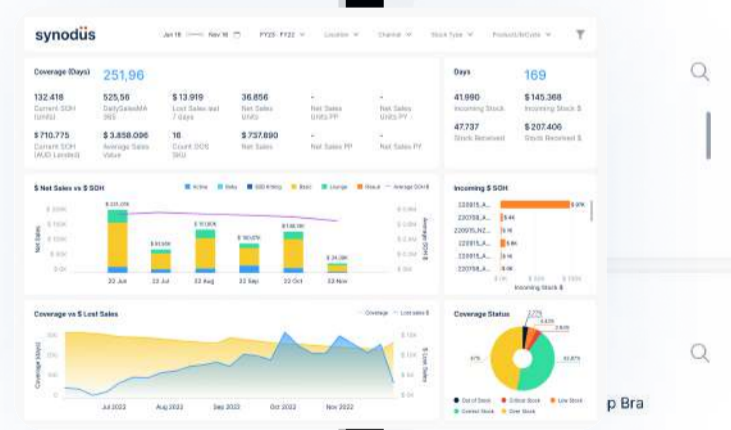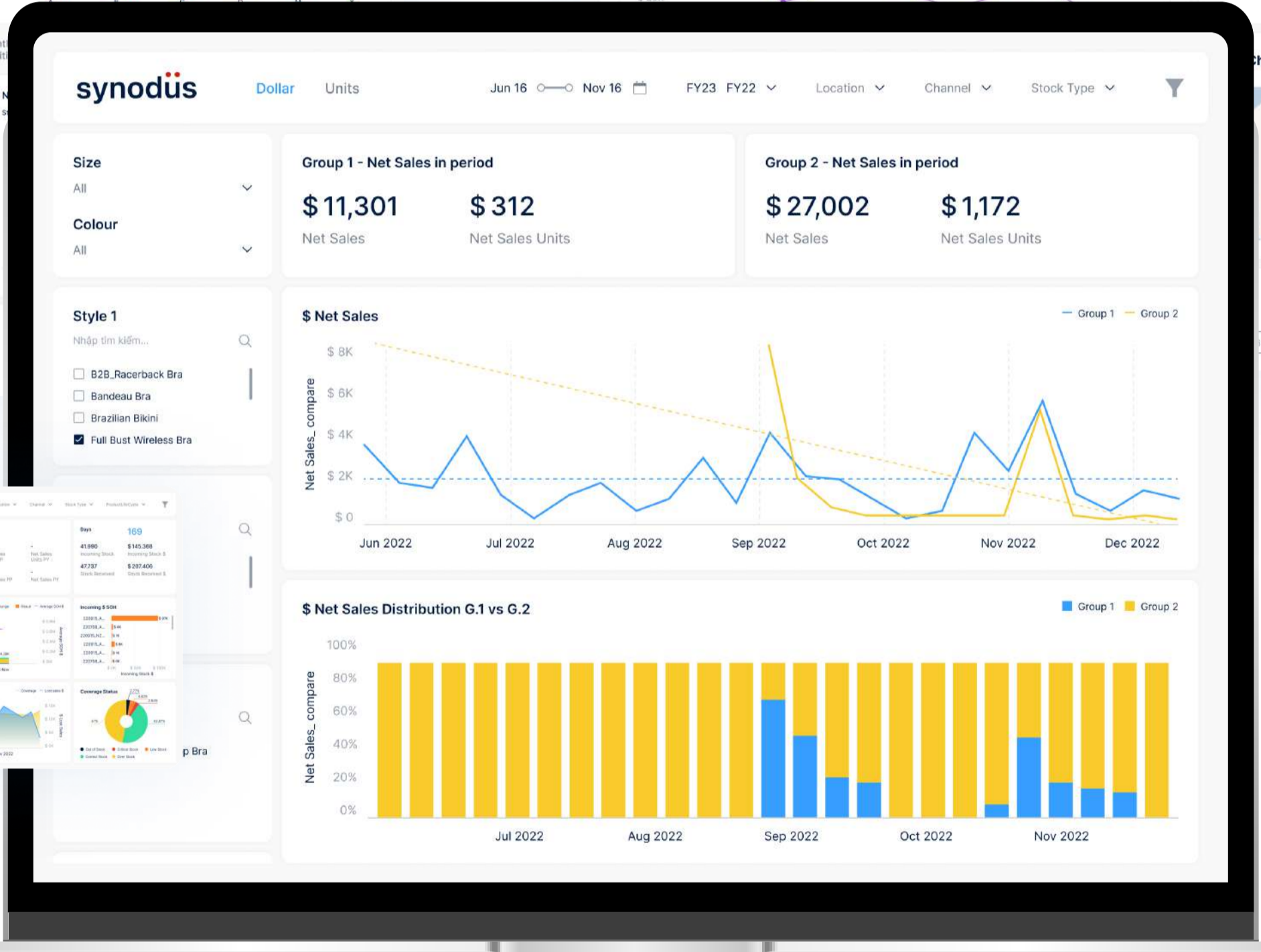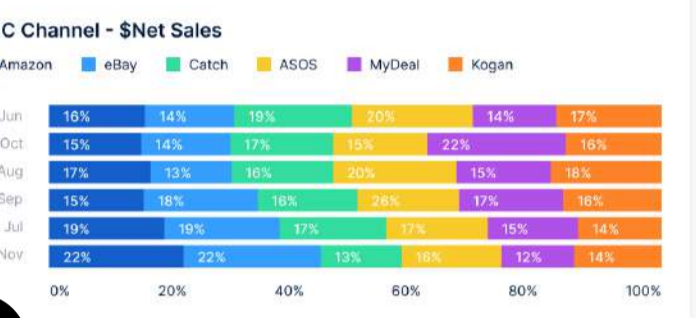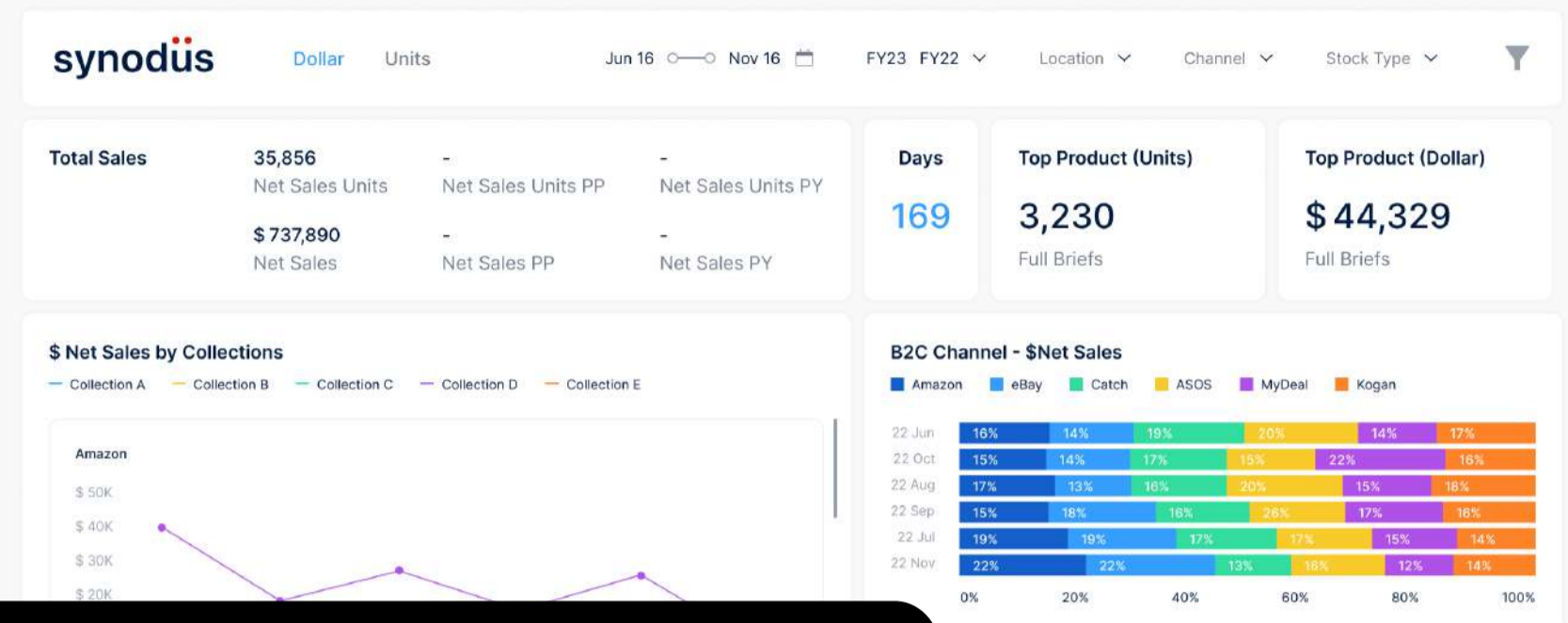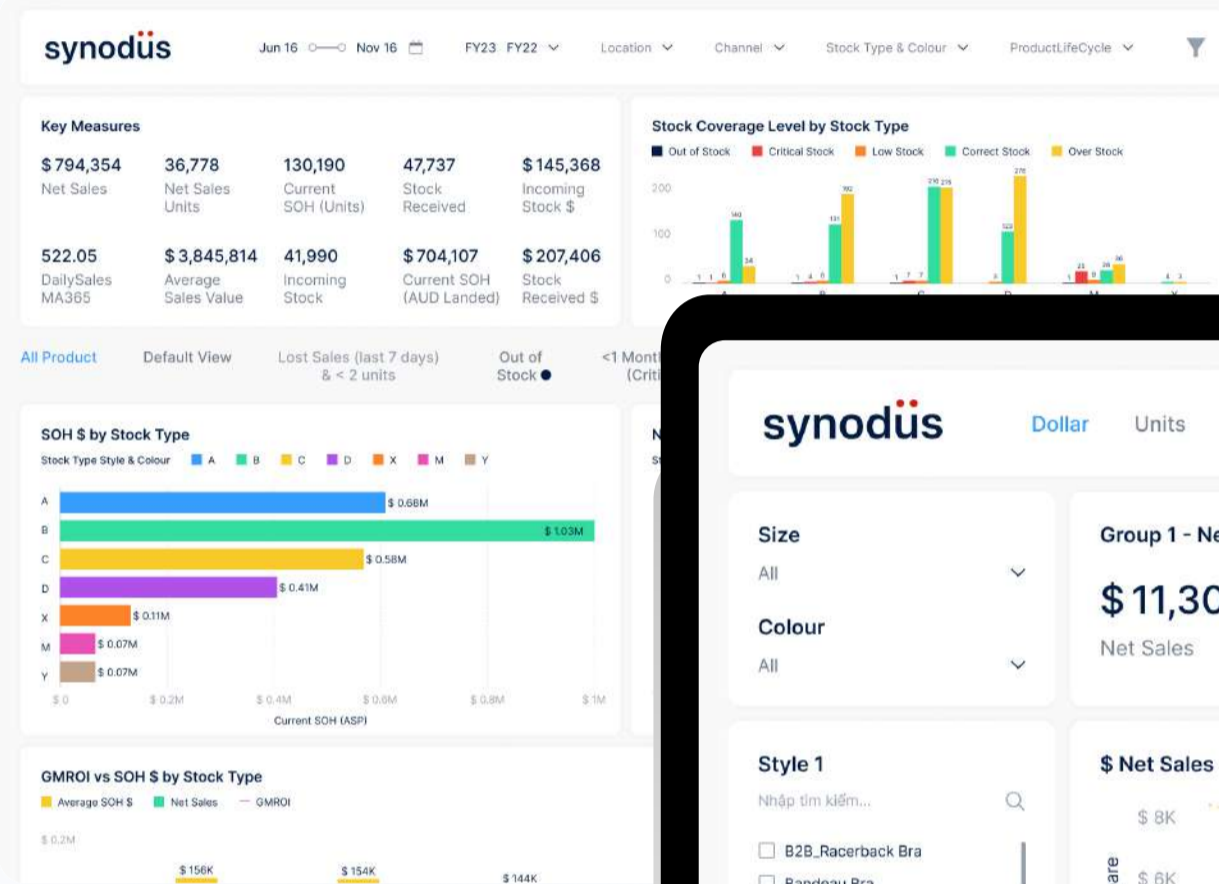
Show case

Data Studio Analytics
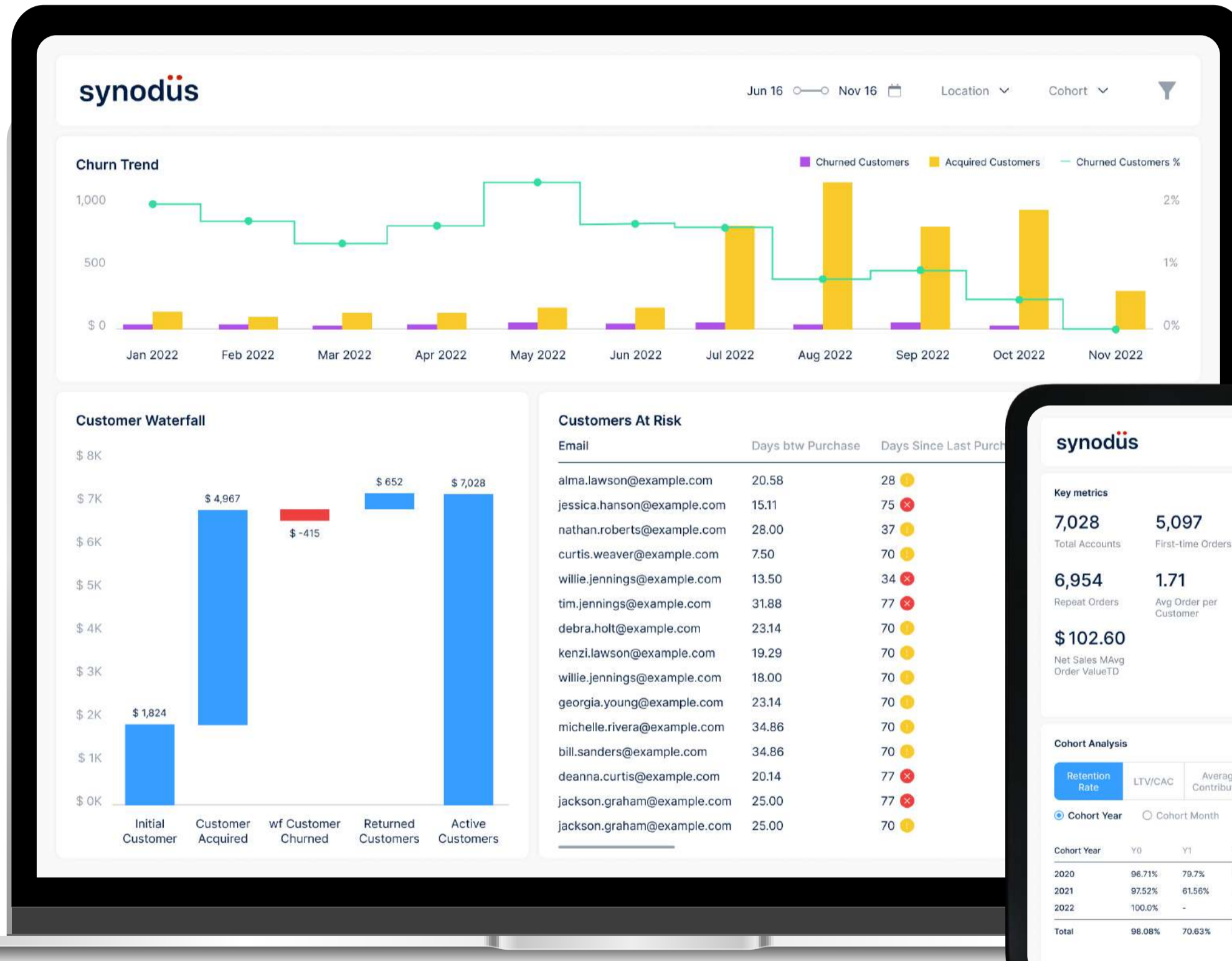
YOY Summary
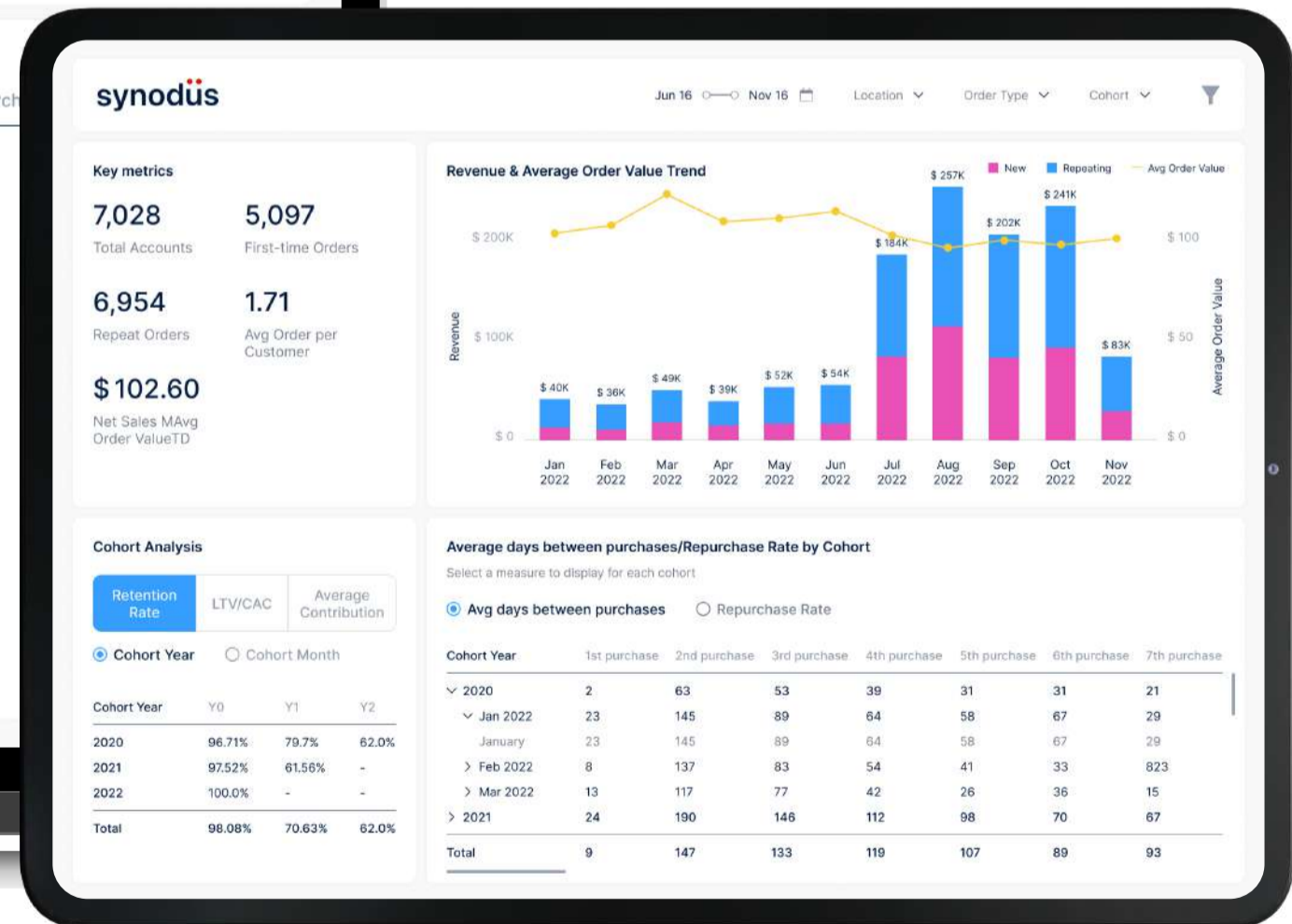
Social Channel Performance

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Phase 3 **Predictive Analytics**

We help your organization gain the advantage on competitors with predictive modelling

Technologies

Machine learning   TensorFlow, Keras, PyTorch, Sklearn, Theano, MXNet,, ML.NET, Azure Machine Learning, OpenCV, OCR,Caffe, NLP, NLTK

Data Mining   Scrapy, lxml, Beautiful Soup 4, Selenium

Data Science   Pandas, Matplotlib, Seaborn, Plotly, NumPy

Use Cases

- ✅ Recommendation Engine
- ✅ Customer Segmentation
- ✅ Market Basket Analysis
- ✅ Inventory Management
- ✅ Demand Forecasting
- ✅ Sales Forecasting
- ✅ Predict Customer Lifetime Value
- ✅ Competitor Price Monitoring
- ...

● Use case

Recommendation Engine

A recommendation system, or recommendation mechanism, is a tool that uses a series of algorithms, data analysis, and even AI to make recommendations online. These recommendations can be Custom for each user or not, depending on the objective of each platform, the amount of data obtained, and even the type of technology used.

When the focus is on personalizing the user experience, the system uses data related to that user's profile and navigation - such as clicks, ratings, and searches - to recommend items that are most relevant to him.
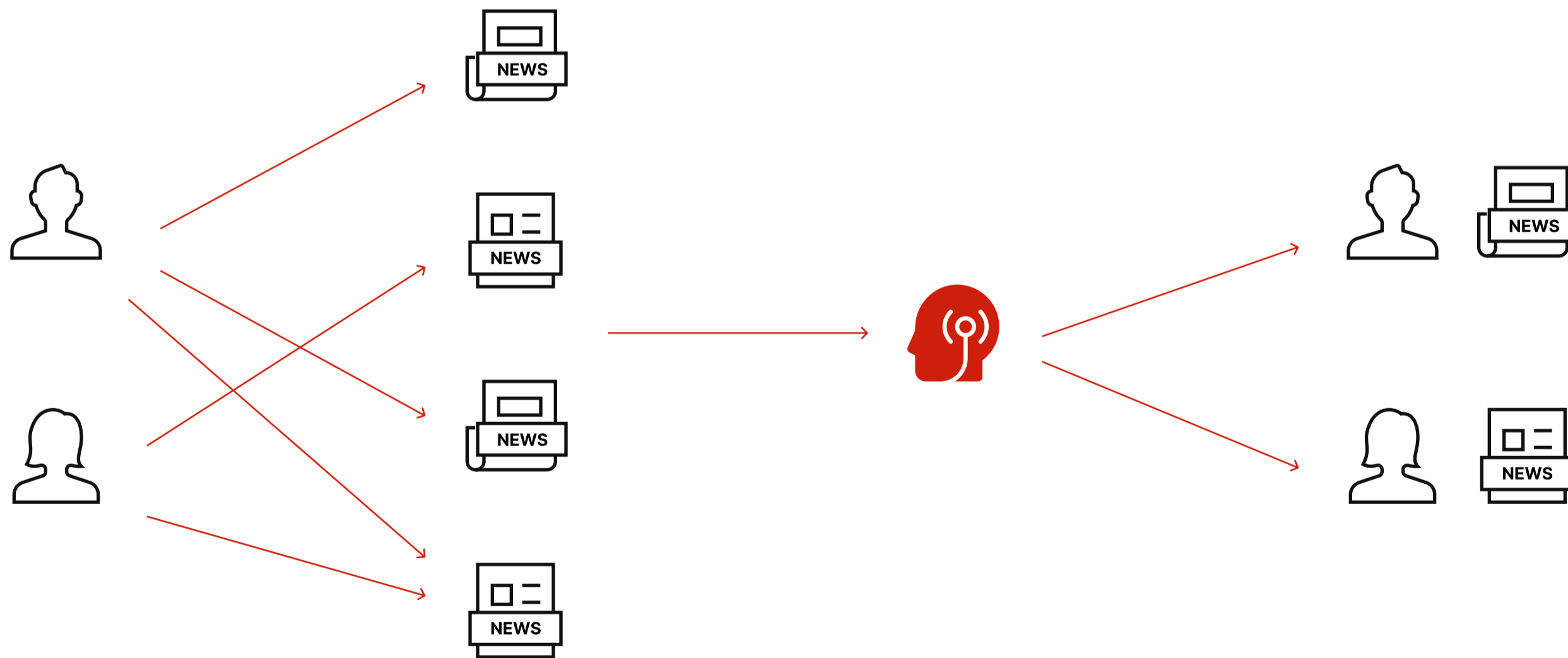
● Use case

Customer Segmentation

Customer segmentation, or grouping customers based on shared attributes, helps ecommerce companies send relevant, timely promotions to their users. Age, gender, location, browsing habits, interests, and even the devices we use, say a lot about our shopping habits. They influence what we buy, why we buy, and how often we spend money.

Combined with behavioural data, customer segmentation empowers online stores to deliver personalized experiences that mimic a customer's favorite neighborhood shop.

Historical Data

Gender Recognition
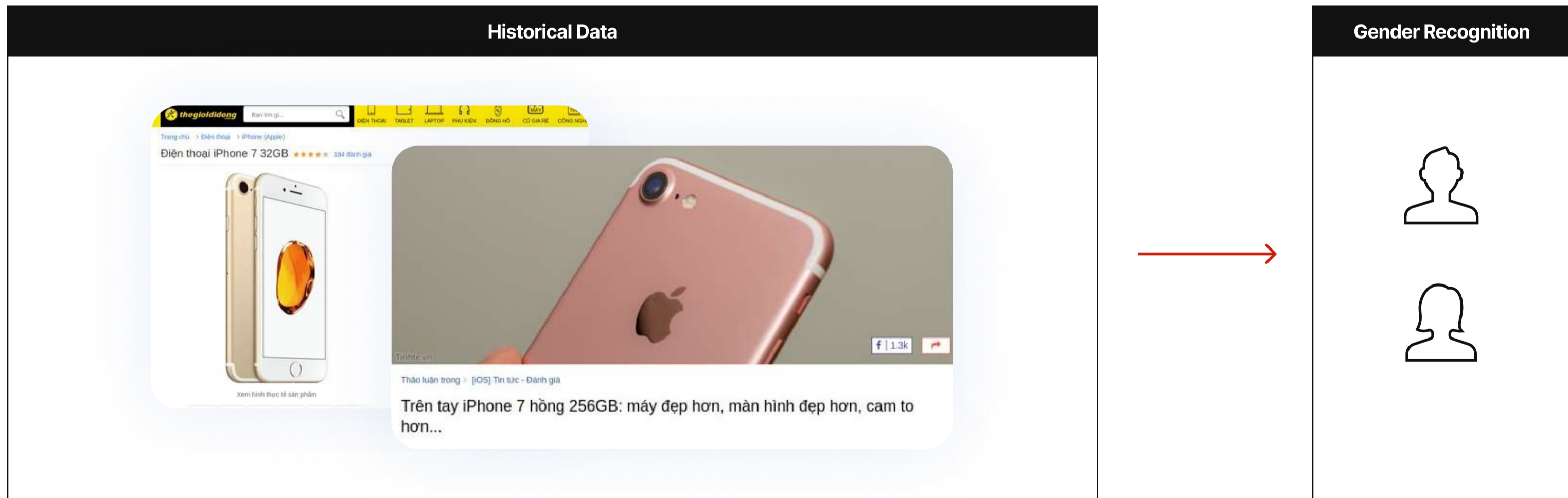
● Use case

Market Basket Analysis

"Market Basket Analysis" is one of the best applications of machine learning in the retail industry. By analyzing the past buying behavior of customers, we can find out which are the products that are bought frequently together by the customers.

Demand Forecasting

Demand forecasting is the process of predicting future sales by combining historical metrics - namely; previous sales, number of customers, and repeat purchases. Accurate benchmarks to guide your marketing strategy, inventory levels, and cash flow are the ultimate goals.

Inventory Management

Inventory refers to the stocks of goods an organization stores in order to ensure a streamlined supply chain that can continuously cater to customer demand on a regular basis. Inventory management is key because a organization/retailer has invested money in purchasing stocks and that capital is lying idle till it is sold. The retailers should be able to stock the right goods in the right quantities in order to provide it to the customer when there is demand of that product. In order to achieve this, the stock and supply chains are analyzed thoroughly.

- ✅ Product Returns Prediction
- ✅ Cart Abandon Prediction

Sales Forecasting

Sales forecasting is the process of estimating future revenue by predicting the amount of product or services a sales unit (which can be an individual salesperson, a sales team, or a company) will sell in the next week, month, quarter, or year.

Customer Review Analysis

Product reviews are one of the most comprehensive and useful sources of insider info available, anywhere. These often have gold nuggets that can guide development, troubleshoot new initiatives, and improve customer experience. They provide a helpful benchmark to compare your offerings to the competition, showing both your strong points and areas in which you need to close the gap.

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1. Business Goals Determination

03 - 10 days

1. Gather business objectives that data solution needs to meet.
2. Outline a high-level project management scenario, including deliverables, skills required, time and budget, potential risks, etc.

2. Discovery

10 - 20 days

Outline business requirements and determine the high-level scope of a data solution by:
- Review data sources to be integrated
- Mapping out the current data flow
- Discovering and describing connectivity between systems
- Discovering and describing established data security practices
- Conducting preliminary analysis of data in the source systems (defining data type and structure, volume, etc.) and data quality across them

3. Conceptualization and Tech selection

10 - 20 days

1. Defining the desired BI solution features, technology stack and skills required to fulfill the project.
2. Mapping the proposed solution to the requirements.
3. Defining data sources and ETL procedures, data quality assurance processes, BI implementation and user adoption strategies.

4. Project planning

05 - 10 days

1. Define project scope and timeline, estimate efforts for the project
2. Outline project risks and develop a risk management plan
3. Draw up project documentation (scope statement, deployment strategy, testing strategy, project implementation roadmap, etc)
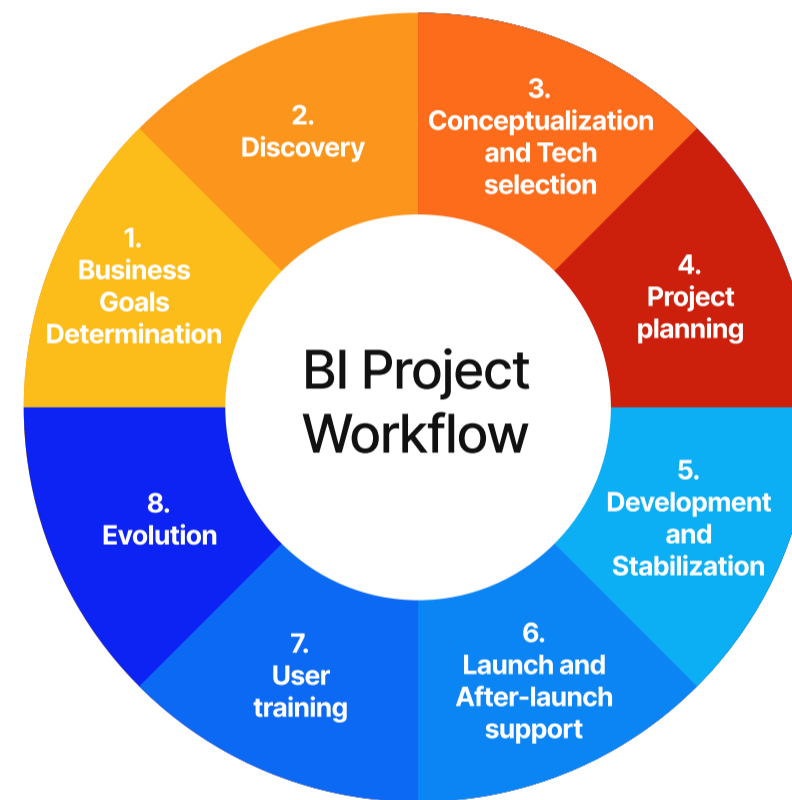
5. Development and Stabilization

03 - 04+ months

1. Delivering the back end and the front end of the BI solution.
2. Implementing ETL processes for each of the data sources, setting up data quality management and data security.
3. Running quality assurance procedures to avoid such problems as wrongly calculated KPIs, slow BI solution response or low-quality UX

6. Launch and After-launch support

05 - 10 days for launch

10 - 60 days for after-launch support

1. Pre-launch user acceptance testing to check the BI solution in real-world scenarios.
2. Deploying the solution in production, ready for end users to employ.
3. After-launch support of the solution and end users.

7. User training

02 - 04 weeks

1. Providing end users with user manuals and training sessions.
2. Adjusting common workflows for each user group, etc.

8. Evolution

The team can upgrade the solution with self-service capabilities, advanced business analytics and data science capabilityies, etc.

BI Project Workflow

- 1. Business Goals Determination
- 2. Discovery
- 3. Conceptualization and Tech selection
- 4. Project planning
- 5. Development and Stabilization
- 6. Launch and After-launch support
- 7. User training
- 8. Evolution

Our Portfolio

E-Commerce Client

An Australian fashion brand successfully turned its data into a profit-driving asset

Client Background

Our client is a notable global apparel business that is Australia-based and offers affordable, comfort bamboo clothing essentials for men, women, and babies. With the core mission of building an environmentally conscious community in mind, their collections have gradually expanded to all customers' wardrobes must-haves. They have also been made available in online and offline retail channels.

Our solution

✅ Our team tried to accumulate information exported from earlier reports and understand how they would like to get most of the data. Regarding the data from old reports, we implemented the process of **getting, cleaning, and collecting them to a data source**.

✅ We also planned to **build optimized data models** and **develop Power BI-powered reports** to help the retailer easily track and create measures and dimensions by dragging and dropping in case they need to add more metrics. We used AWS technology to **build a serverless data ETL pipeline** from client's sources into a data lake and then performed incremental load into a database, from which **Power BI reports refresh data daily**.

Challenges

The clothing brand manages **a flood of customer information at stores** (over 2,500 retailers in 15+ countries), POS units, online transactions, products purchased, and so on. This huge volume of data **stored in different business management software** even make it more difficult for the retailer to visualize, monitor the business situations, forecast the revenue accurately, and make strategic decisions based on the data-driven insights of customers.

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Business Impacts

After 10 years doing business, the client finally had their data centralized in just one single database and updated real-time in every 5 minutes, thus, helped the client get deeper, more practical and intelligent insights from data, which led to better and faster decision-making progress.

- ✅ **Get a central view of the whole business.** BI Dashboards answer the most critical business questions.
  Eg: When should they import more products? Which products bring the most revenue? How to get a lower return product?...

- ✅ Manage the stock on hand, know when to purchase goods, so they can promptly respond to orders; track which pairs of products sold together are the most effective. That helps them to **increase 25% revenue on average**.

- ✅ **Optimize data flows in AWS:** reduce 60% data storage and management costs

- ✅ **Build the foundation for long-term** Machine Learning Models.

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Retail Client

Reduce warehousing costs by 23% thanks to data modelling

Client Background

Our client is a retail company with outdoor camping equipment products that have been consumed in Australia with average annual revenue of 39 million AUD.

Challenges

Regarding the current situation, the company has a lot of data from different sources, which makes it difficult for the owners to monitor the business situation and make decisions based on the data.

- **Warehouse:** Although all the data was already centralized and stored in different .csv files on AWS3, the format has not been friendly, making it difficult to query and affecting the loading speed.
- **Reports:** They do not have enough capability to optimize every report they have made (it takes nearly 30 seconds to load a page on average), let alone the fact that they just have sales & marketing-related reports.
- **Storage Costs:** The fact that the main products are pieces of outdoor gear, which require a very large area to store means it cost them a huge amount of money.
- **The company structure:** The client has a complicated business structure that is not easy to manage and distribute the report system

Our solution

- ✅ **Building Data warehouse:** We built a data warehouse on SQL database, in which all the data would be updated every 10 minutes.

- ✅ **Delivering Reports:** We optimized the data model, DAX and a wide range of charts in existing BI reports. Moreover, our data analysts built a reporting system in Power BI for the client to cover all business areas, which include but are not limited to sales & marketing, finance, and customer support

- ✅ **Optimizing storage costs:** Creating a model to forecast the number of sales and revenue periodically to help the client estimate the number of goods imported in a period of time.

- ✅ **Guiding the client to have a more effective organizational structure:** We consulted our client to use row-level security (RLS), which helps to make sure that each staff can only access data that they are granted to do and assign permissions by each department.

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Business Impacts

- **Well-designed data visualization improves understanding:** With more user-friendly & customized reports for each department, the managers and team in each department could answer critical questions such as: Which products bring the most revenue? What is the most common reason for buyers to return purchased items? Which courier has the lowest shipping cost and highest-rated delivery experience?...

- **Reduce warehousing & transportation costs:** We used a model to forecast sales which reduced the cost of warehousing by 23%. A new calculation formula was also developed to optimize the gap between courier shipping costs and customers' shipping fees.
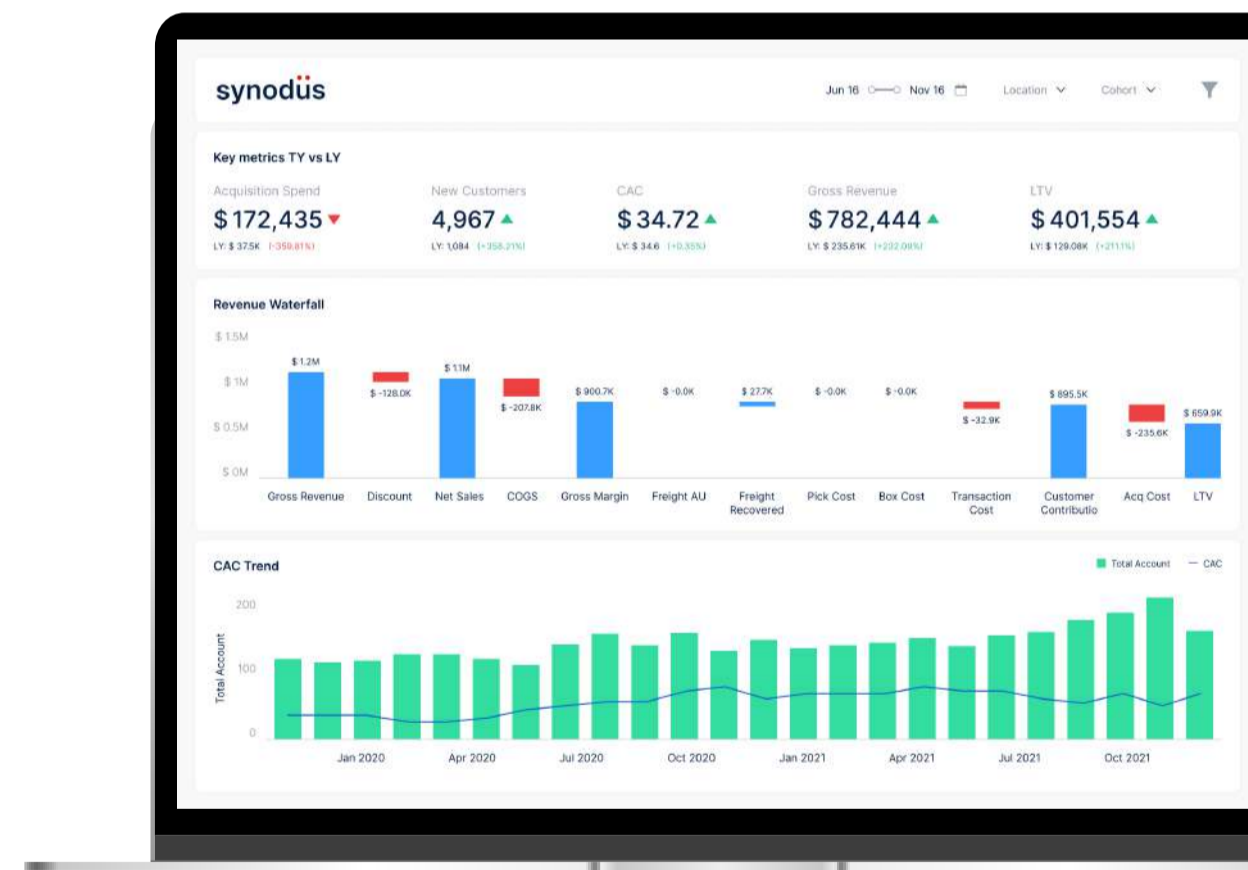
- Manage the stock on hand, know when to import (purchase) goods, so they can promptly respond to orders to buy products that are about to be out of stock; track which pairs of products sold together are the most effective. That helps them to **increase 25% revenue on average**.
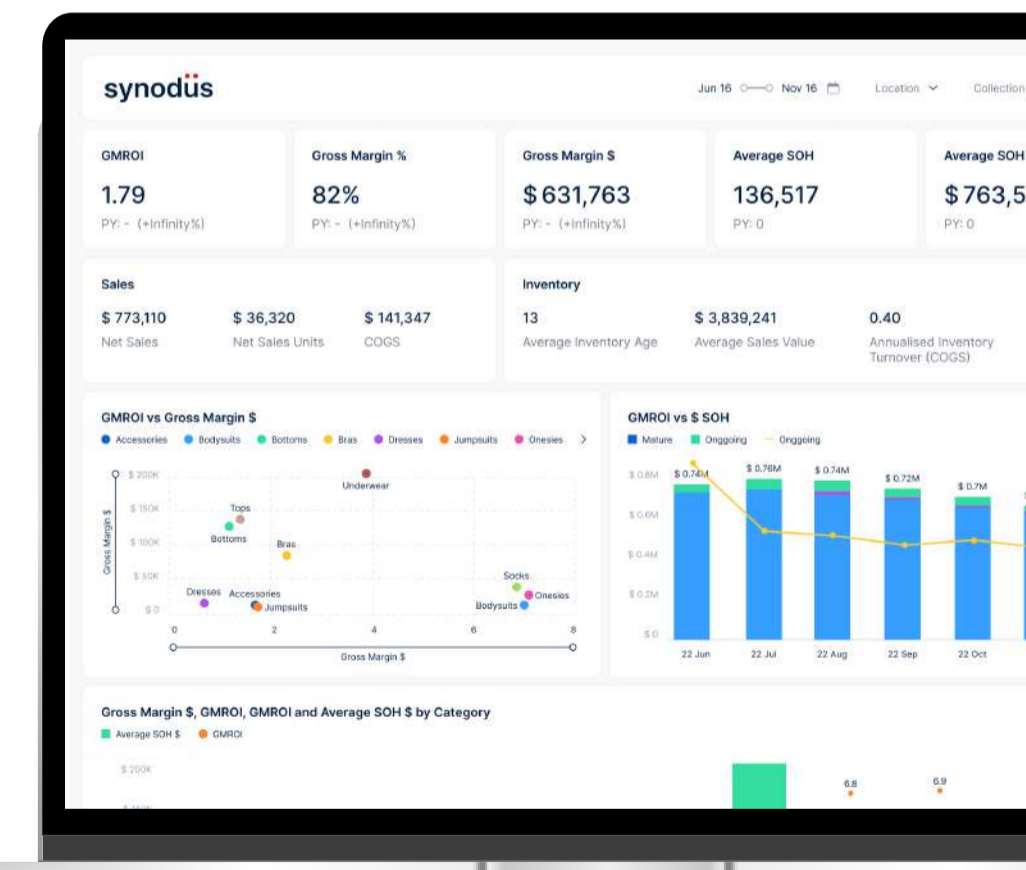

Sale Overview
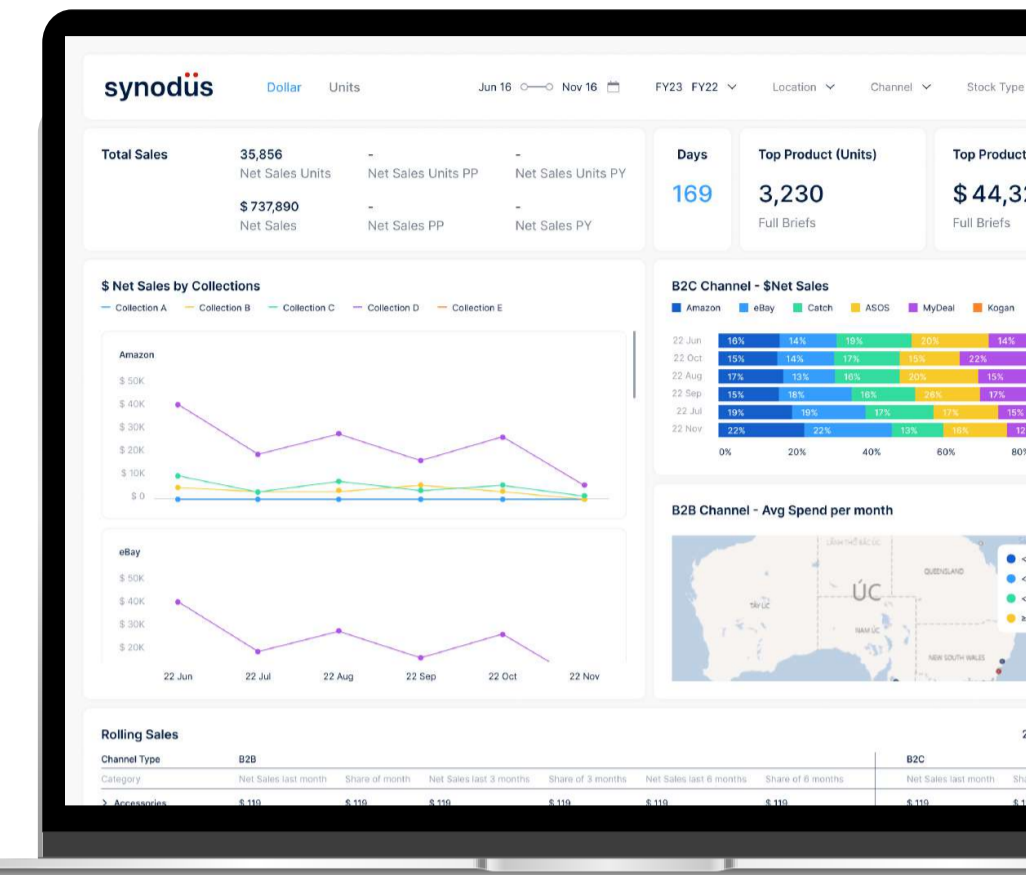
Sales by Channel

Customer Performance Overview

GMROI

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Manufacturing Client

Design an actionable roadmap to BI maturity for an electrical and electronics manufacturing company.

Client Background

The client, equipped with state-of-the-art equipment and up-to-date technology, researches, and manufactures technological devices and smart systems in Vietnam.

Challenges

With roaring sales, new products, and extending markets, the company sought a comprehensive BI strategy to handle its issues:

- Lack of resources for building a modern DW solution
- Deficient BI reports which already caused many troubles for the client to gain insights and make fast and effective decisions. The current situation of BI reports is running at a slow speed and stands unfriendly to users.
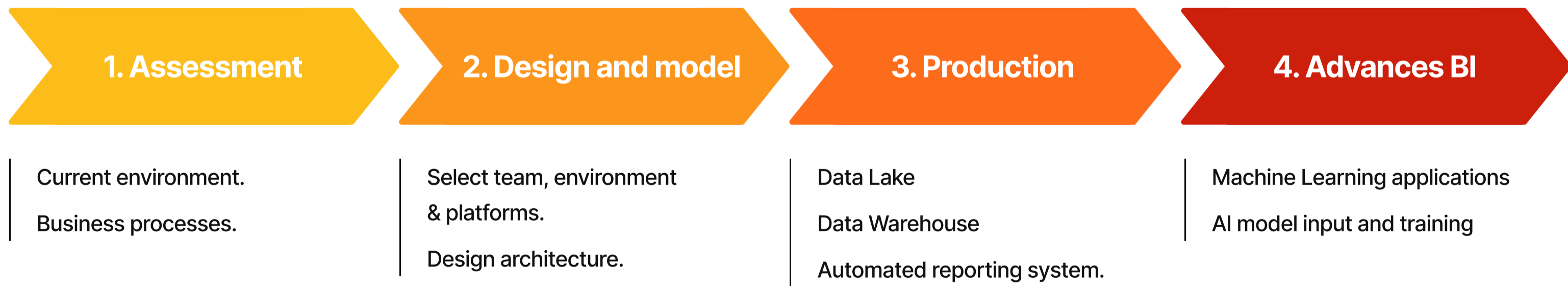- Heavy dependency and lag of business users on IT for reporting needs

Our solution

- ✅ We workshopped with leaders and business users to define issues and blockages and designed a roadmap to BI maturity that served as a blueprint for later implementation of the vision, people, processes, tools, and architecture. The service model combines Azure Data Services and Power BI.

- ✅ The BI roadmap contains four stages, including stage 1: Assessment, stage 2: Design and modelling, stage 3: Production, and stage 4: Advances BI.

- ✅ Currently, we are in phase 1 and aim to implement a cloud-powered data warehouse, build a scalable BI setup, and kickstart analytics usage with ML applications in their top priorities: **Automated Sales processes** and **Customer understanding.**

Business Impacts

After three years in business, our client eventually has their data centralized in a single and high-performance database. This foundation was developed not only to complete the project but also as the basis to produce comprehensive reports and long-term ML model applications later.

- ✓ **Automated reports:** Finance reports are automated, and the average loading speed is reduced from 90 seconds to just 5 seconds.

- ✓ **Release employees:** Boosted bottom-line profit & productivity by reducing manual overhead.

- ✓ **Enhance internal collaboration:** Empower business users to co-create reports via self-service BI.

- ✓ **Single-source-of-truth:** Bring together the data that matters to our client's business - from siloed enterprise data sets to third-party data streams - storing it in a powerful time-series analytic database offering enterprise-grade data engineering capabilities.

1. Assessment → **2. Design and model** → **3. Production** → **4. Advances BI**

1. Assessment	2. Design and model	3. Production	4. Advances BI
Current environment.	Select team, environment & platforms.	Data Lake	Machine Learning applications
Business processes.	Design architecture.	Data Warehouse	AI model input and training
		Automated reporting system.	

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On-Premise Data Sources

Flatfile
(Budget, Market Share, Survey, etc..)

SAP ERP S/4 HANA

Warranty Management System

Distributor Management System

Manufacturing Executive System

Staging

BCTQ

WSM Data

Messtaging

Integration Runtime (self hosted) Server

Integration Runtime (Self Hosted)

Power BI Service

Integration Runtime (self hosted) Server

Azure Data Factory

Azure Data Store

Azure Data Warehouse

Azure Analysis Service

Commercial Bank Client

Helped Vietnam's largest commercial bank boost its organizational
effectiveness by speeding up report preparation by 25%

Client Background

Our client is one of the largest joint stock banks in Vietnam and a market
leader in digitalization applications. They are providing a wide range of
financial services to both individual consumers and large commercial
institutions.

Challenges

- The client had difficulty managing massive volumes of transaction data
  due to little governance before. Managers also shoulder the burden of
  making real-time responses.
- Additionally, they lacked resources with Power BI expertise to perform
  the migration.
- Regarding the current situation, the reporting mechanism takes up to
 one month to deliver information to managers while data is still siloed.

Our solution

We implemented a **two-way approach:**

- ✅ On one hand, we provided a full deployment of an on-premises
  Power BI Report Server. Our Power BI experts worked with the
  bank's BI department to develop centralized dashboards that
  oversee wealth management and retail banking products.

- ✅ On the other hand, we hosted Power BI training for bank
  analysts to help them manage the work effectively by
  themselves later.

Business Impacts

Over **15 automated reports, updated weekly** and easy to manipulate, convenient for monitoring and making decisions, were built. These reports are related to different areas of the bank, which include but are not Lending, KYC, and Wealth Management.

Besides, **business users could create their customized, on-demand reports with easy drag-and-drop actions** using our predefined measures. **Report preparation time decreased drastically.** Reports used to take weeks to finish could now be delivered within days. That really mattered as business users could reduce the over-reliance on technical data analysts.
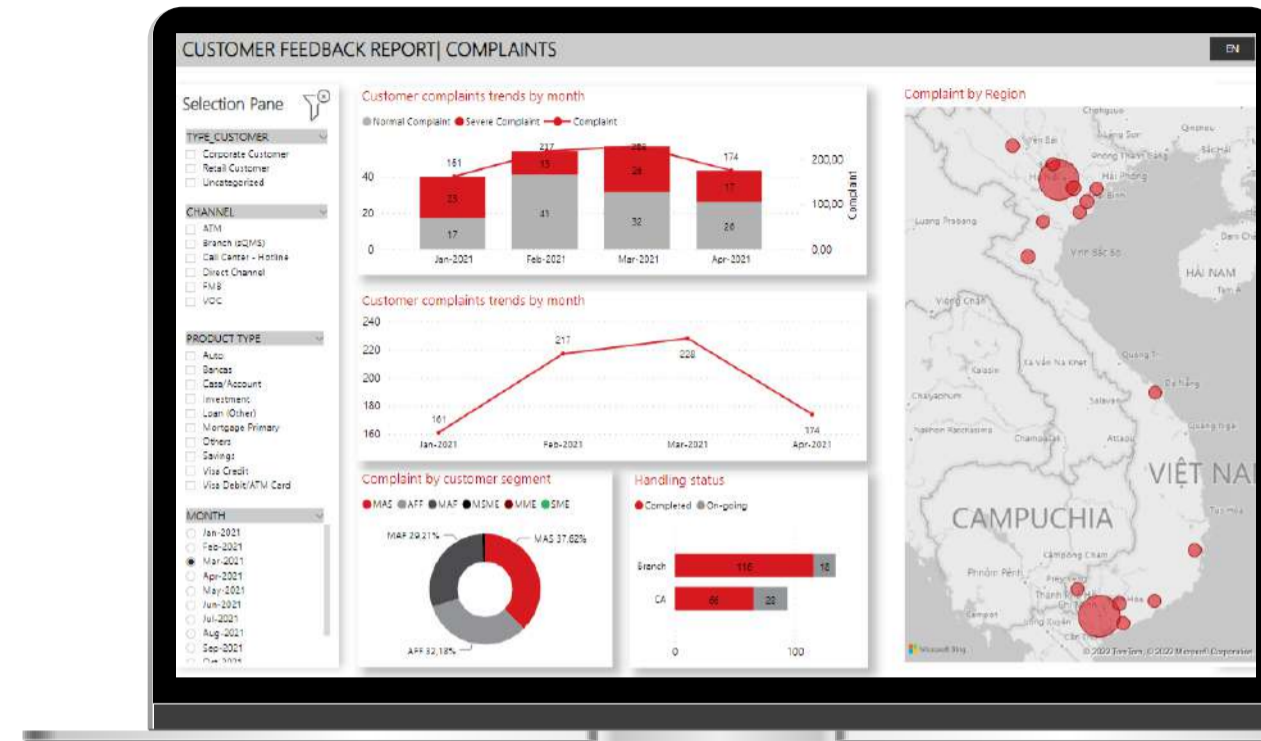
Customer Feedback Report
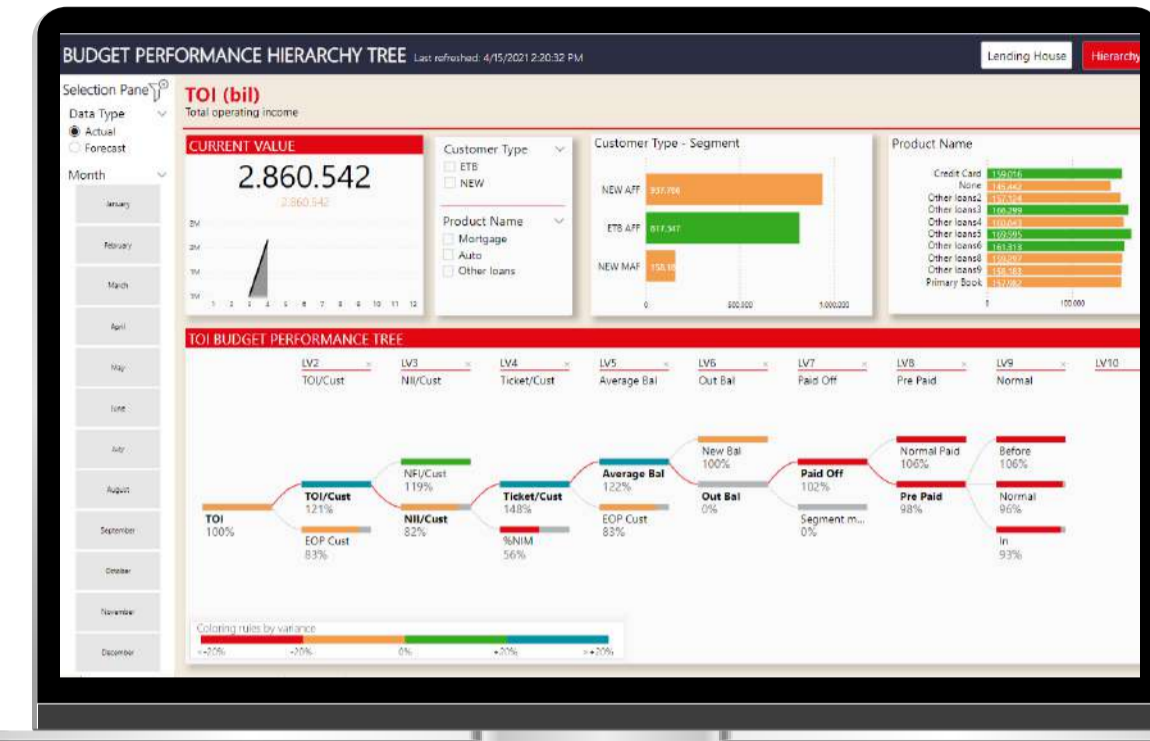
Bank Retail Report
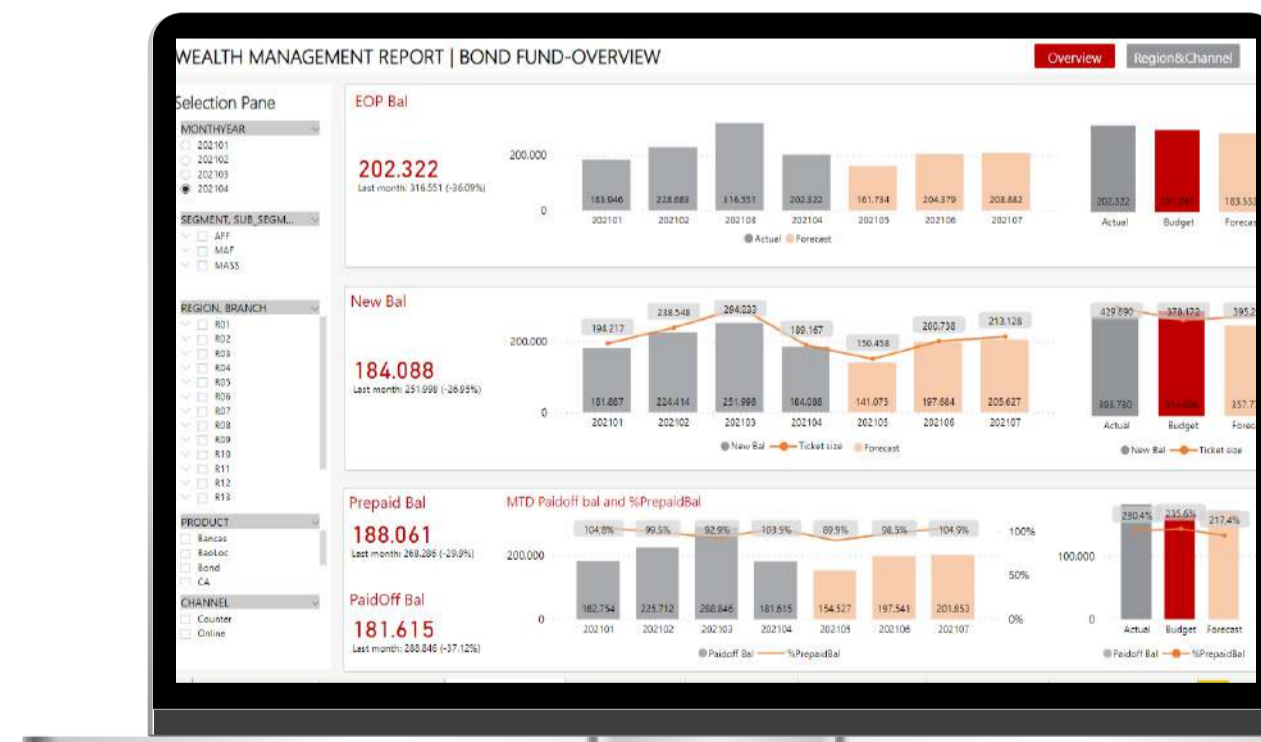
Wealth Management Report

Wealth Management Report

FMCG Client

Unilever Vietnam boosts its efficiency with Production Planning Optimization

Client Background

Started its operation in Vietnam in 1995, so far, Unilever Vietnam has built an extensive network of over 150 distributors and 200.000 retailers. As estimated, over 30 million consumers use Unilever's products every day, this contributes to improve their living conditions, health and hygiene.

Our solution

We build a lite version of production planning software that has 2 key features:

✓ **Intelligent Scheduling**
- Automatically forecast staff requirements & generate scheduling based on historical data
- Quickly re-schedule the plan and get most optimized schedule when there are changes
- Avoid costly scheduling mistakes by accessing a complete view of each employee's availability

✓ **Production Control & Tracker**
- Get a real-time overview of your production process at shopfloor
- Synchronize planning, scheduling and execution

Challenges

- Extremely complex production scheduling because there are many interdependent production steps and the manufacturer is making multiple products simultaneously
- Paper-based system lacks control, accuracy and agilibility

Business Impacts

- Eliminate unnecessary changeovers: **10% changeover cost reduction**

- Automate generate scheduling: **80% time savings weekly on production planning**

- Drive demand-driven manufacturing

- Quickly re-schedule the plan and get most optimized schedule when there are changes
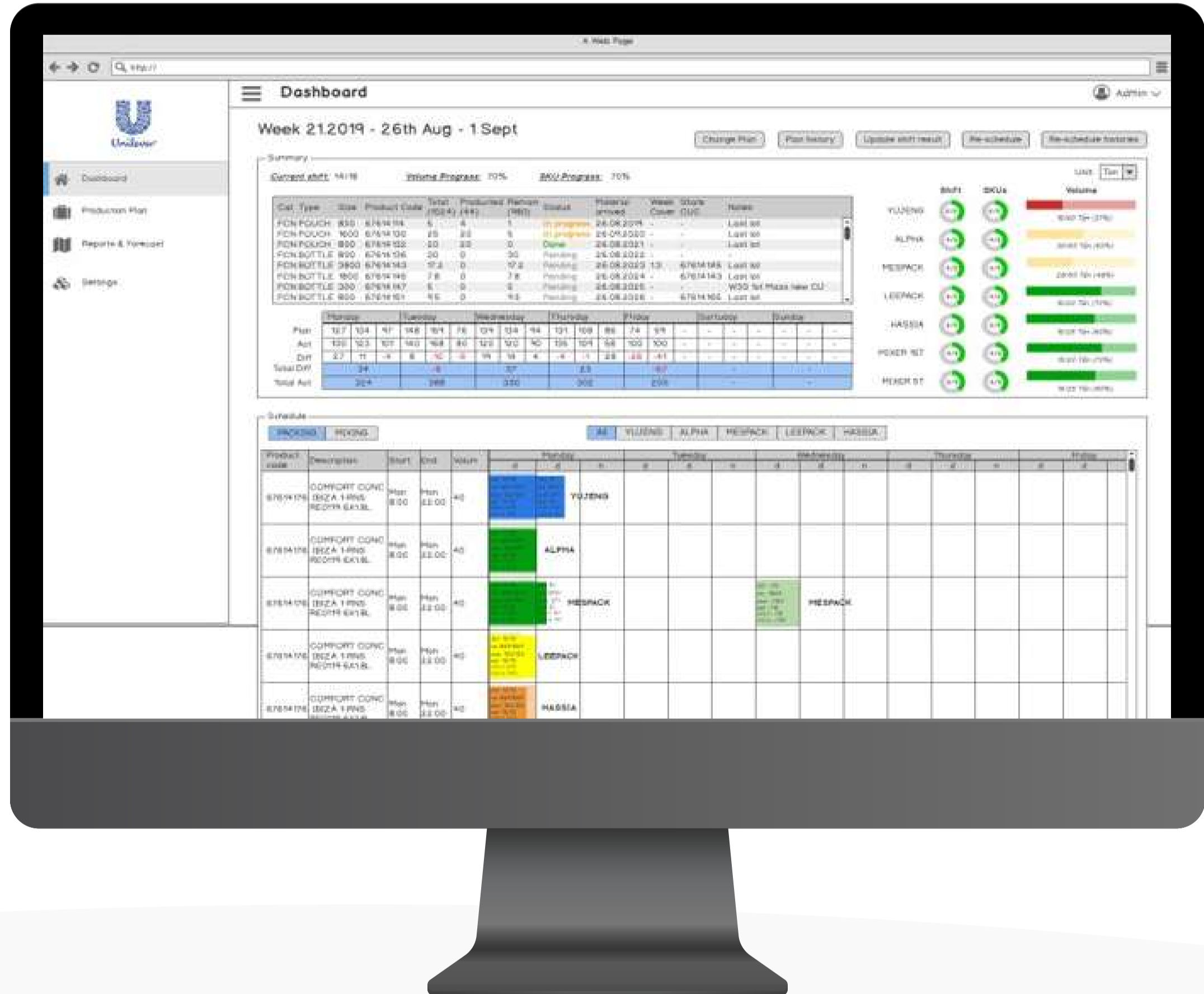
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We're excited to have you as our new partners

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