



# BUSINESS INTELLIGENCE SERVICES

## PORTFOLIO

2024

Building Digital Futures with Trust and Innovation.

Azure Synapse Analytics



Microsoft SQL Azure



Power BI



### Revolutionizing Your Data Journey with BI and Advanced Analytics

Transform your business with cutting-edge Business Intelligence solutions that drive innovation, efficiency, and growth. We specialize in leveraging the power of data, advanced analytics, and BI tools to help you make smarter decisions and achieve your strategic goals.

**Portfolio Link:**

<https://epixelsolution.com/portfolio>

**Contact Us:**

<https://epixelsolution.com/contact-us>

# 01

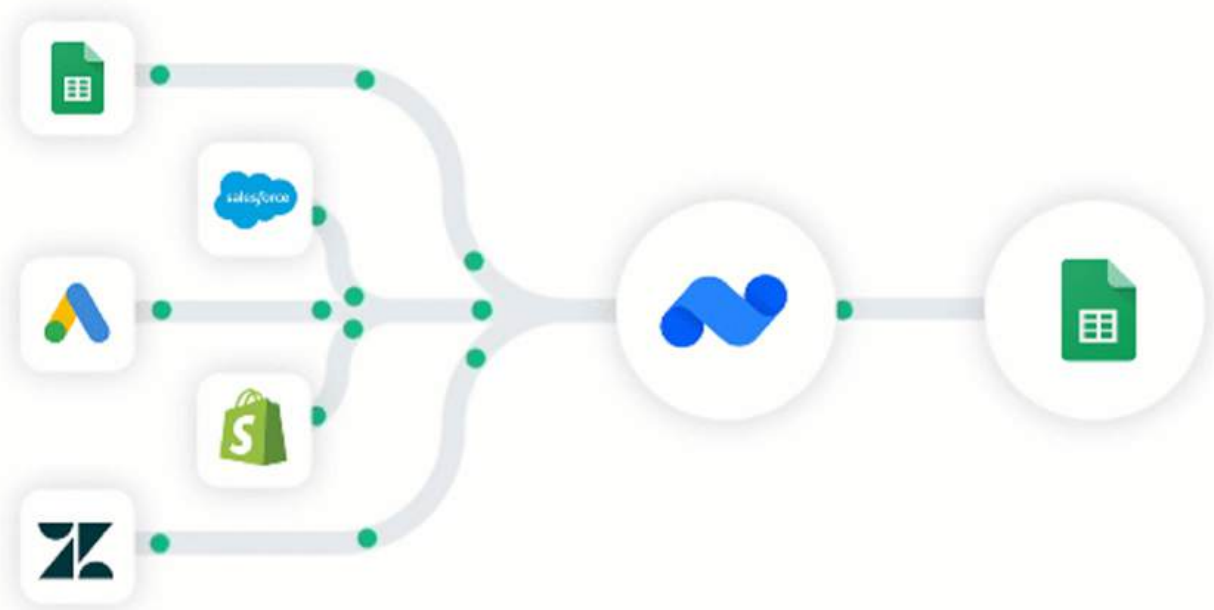
## Enhancing ERP Insights with Technupur's Advanced BI Solutions

### Transforming Stakeholder Decision-Making through Comprehensive Analytics

EPixel has successfully implemented a cutting-edge BI solution for mid-level businesses in the USA, offering stakeholders deep insights into the Global 365 ERP system's performance and user activity.

#### TECHNOLOGIES USED:

Azure Synapse Analytics, Azure SQL Database, Azure Data Warehouse, Power BI



We designed an ETL process using Azure Synapse Analytics to extract, transform, and load data inputs in JSON format from a staging table into a central database hosted on Azure SQL Database. The transformed data was then consolidated in an Azure Data Warehouse. Power BI was employed to create interactive dashboards and reports visualizing key metrics on user activity, financial transactions, and system performance.

#### KEY OUTCOMES FOR OUR CLIENT

**Enhanced Decision-Making:** The BI solution provided stakeholders with real-time and historical insights, enabling more informed decision-making and improved operational efficiency.

**Scalability and Security:** By leveraging Azure Synapse Analytics and other Azure services, the solution ensured scalability, security, and reliability, catering to the growing data needs of mid-level businesses.

**Interactive Dashboards:** Power BI dashboards offered a user-friendly interface to visualize key metrics, enhancing stakeholder engagement and data-driven strategy formulation.

# 02

## Enhancing Marketing and Operational Efficiency through Data Integration

### Transforming Retail Operations with Unified Customer Insights

EPixel has successfully implemented a data integration and reporting solution for a multinational retail corporation, enhancing their marketing effectiveness and operational efficiency.

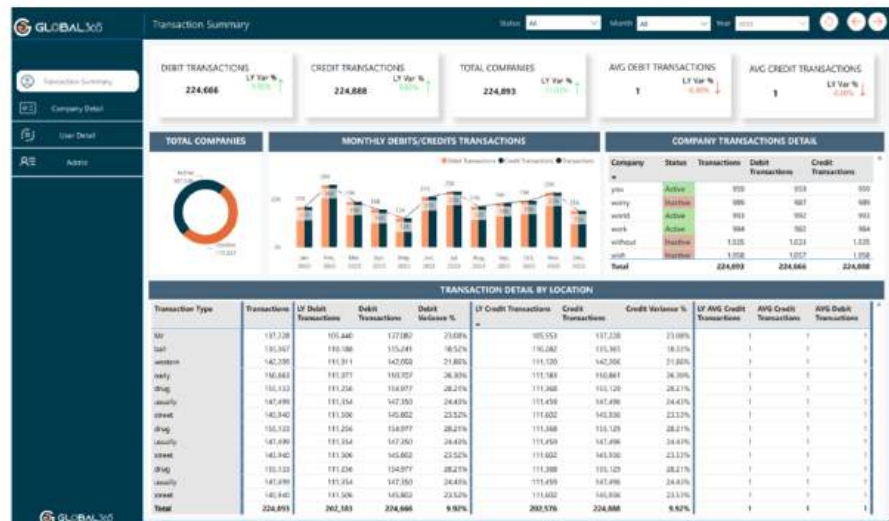
#### TECHNOLOGIES USED:

SQL queries and API calls

Amazon Redshift / Google Big Query,

Tableau,

Power BI



We implemented ETL processes using SQL queries and API calls to extract, transform, and load data into a centralized data warehouse, such as Amazon Redshift or Google Big Query. BI tools like Tableau and Power BI were utilized to create interactive dashboards and real-time reporting, enabling stakeholders to access integrated data for actionable insights.

#### KEY OUTCOMES FOR OUR CLIENT

**Enhanced Operational Efficiency:** Streamlined data processes led to significant improvements in operational efficiency, reducing manual effort and operational costs.

**Improved Marketing Effectiveness:** Targeted campaigns became more effective with unified customer insights, optimizing marketing strategies and increasing ROI.

**Informed Decision-Making:** Comprehensive analytics provided stakeholders with the necessary data to make informed decisions, driving business growth and performance.

# 03

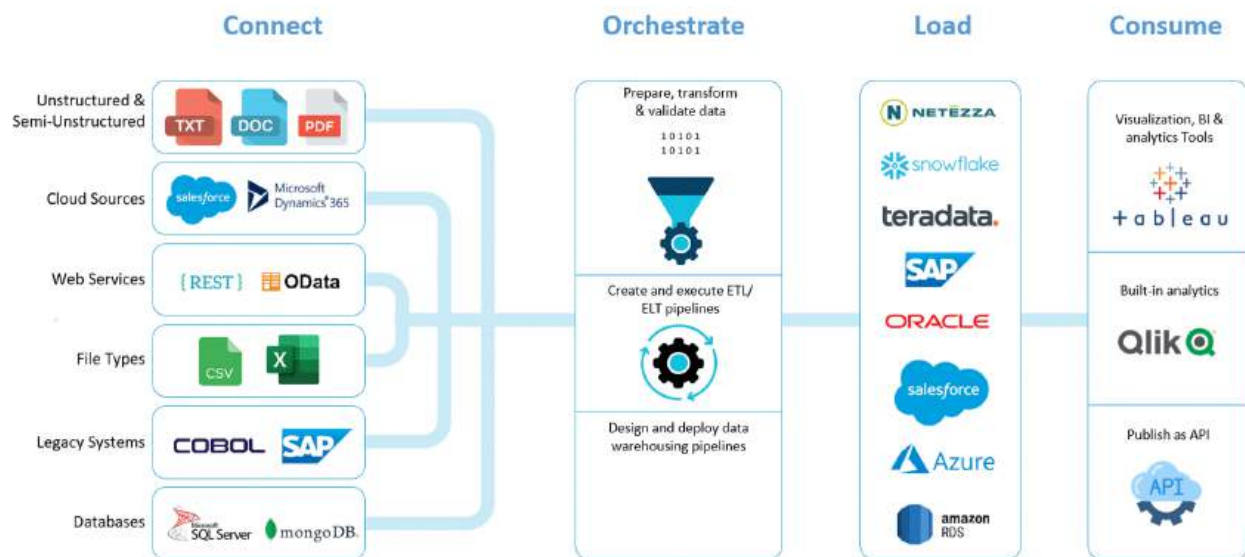
## Enhancing Internal Collaboration and Efficiency with Intranet Portal

### Client Success through Advanced Business Intelligence Solutions

At EPixel, we successfully developed an Intranet Portal for clients, transforming their internal collaboration, document management, and communication processes, while providing real-time insights to enhance decision-making and operational efficiency.

#### TECHNOLOGIES USED:

Microsoft SharePoint Server 2019, Power BI.



#### Client Challenges:

Client needed to enhance internal collaboration, streamline document management, and improve communication processes. They required real-time insights and analytics on internal workflows to boost decision-making and operational efficiency.

#### Our Solution:

We developed a comprehensive Intranet Portal built on the Microsoft SharePoint Server 2019 platform. The portal integrated Business Intelligence tools to provide real-time insights and analytics on internal workflows and document management.

## HOW WE DELIVERED

**Real-time Analytics:** Integrated Power BI dashboards for visualizing KPIs related to document management and workflow efficiency. These dashboards were designed to pull data from various SharePoint lists and libraries, enabling dynamic and up-to-date reporting.

**Customizable Reports:** Leveraged Power BI's report-building capabilities to enable departments to create customized reports. These reports could be tailored to specific needs, with advanced filtering, slicing, and dicing options to analyze data from multiple perspectives.

**Data Integration:** Implemented seamless data integration using SharePoint's native data connectors. Integrated with other Microsoft services such as SQL Server, Excel Services, and external data sources using Business Connectivity Services (BCS) to create a unified view of operations.

**User Access Controls:** Configured role-based access controls (RBAC) using SharePoint's advanced security features. This included setting permissions at the site, library, and item levels to ensure that sensitive data was accessible only to authorized personnel. Implemented Multi-Factor Authentication (MFA) and compliance policies to adhere to government regulations.

## KEY OUTCOMES FOR OUR CLIENT

**Enhanced Internal Collaboration:** The new Intranet Portal improved communication and collaboration across different departments by integrating Microsoft Teams and Yammer for real-time communication and social collaboration features.

**Streamlined Document Management:** The portal's document management features, such as version control, metadata tagging, and automated workflows using Power Automate, streamlined document-related processes, reducing processing times and increasing data accuracy.

**Improved Decision-Making:** Real-time analytics and customizable reports provided actionable insights, enabling more informed decision-making. The portal's integration with Microsoft Flow enabled automated notifications and approval processes, further enhancing operational efficiency.



# 04

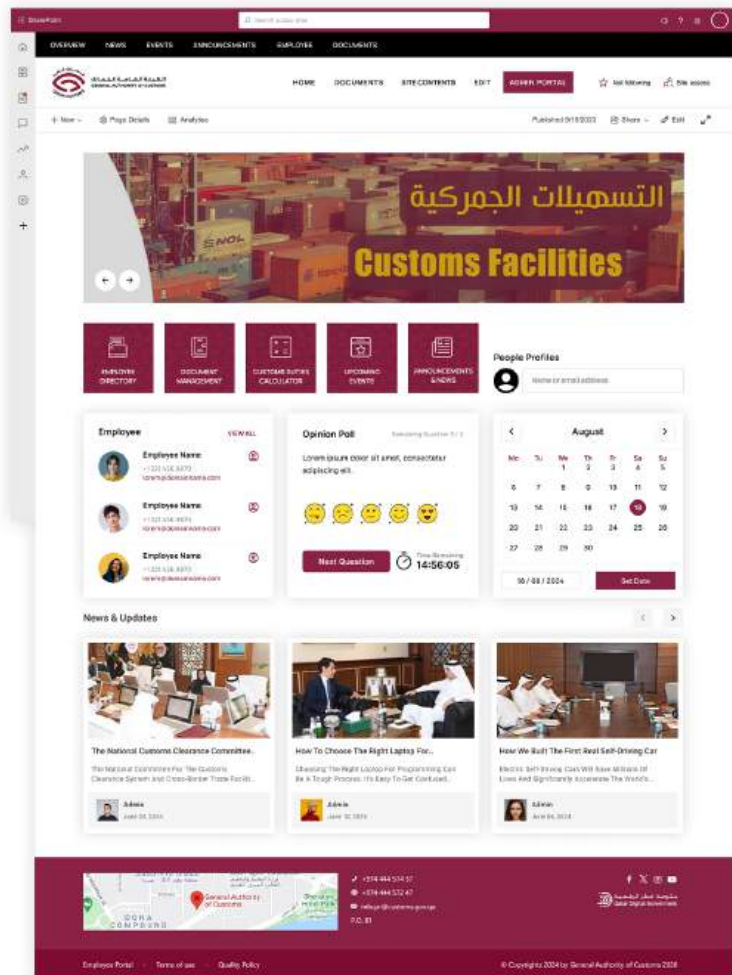
## Revolutionizing Decision-Making with Advanced Business Intelligence Solutions

### Client Success through Cutting-Edge Business Intelligence Implementation

At EPixel, we successfully transformed Client's decision-making processes by implementing a comprehensive Business Intelligence (BI) solution. This transformation enabled them to leverage data-driven insights for strategic growth and operational efficiency.

#### TECHNOLOGIES USED:

Microsoft Power BI,  
SQL Server Integration Services (SSIS),  
Azure Data Lake,  
Azure Synapse Analytics,  
Python, and DAX.



#### Client Challenges:

They faced challenges in extracting actionable insights from disparate data sources. The existing reporting systems were slow, lacked integration, and provided limited visibility into key performance metrics, hindering informed decision-making.

#### Our Solution:

We implemented an end-to-end Business Intelligence solution leveraging Microsoft Power BI, SQL Server Integration Services (SSIS), and Azure Data Lake. This robust BI framework facilitated real-time data integration, advanced analytics, and interactive reporting.

## HOW WE DELIVERED

**Data Integration and ETL:** Utilized SSIS for Extract, Transform, Load (ETL) processes, consolidating data from various sources including CRM, ERP, and external APIs into Azure Data Lake. This ensured a single source of truth for all analytical needs.

**Advanced Analytics:** Leveraged Azure Synapse Analytics for large-scale data processing and analysis. Employed Python for custom machine learning models and predictive analytics, providing deeper insights into sales trends, customer behavior, and market dynamics.

**Interactive Dashboards:** Developed interactive Power BI dashboards to visualize key metrics. Implemented DAX (Data Analysis Expressions) for complex calculations, enabling real-time tracking of financial performance, operational efficiency, and customer satisfaction.

**User Training and Support:** Conducted extensive training sessions for client's staff to ensure proficiency in using Power BI for self-service analytics. Provided ongoing support and maintenance to adapt to evolving business needs.

## KEY OUTCOMES FOR OUR CLIENT

**Enhanced Decision-Making:** Real-time, interactive dashboards provided executives and managers with instant access to critical metrics, facilitating data-driven decisions and strategic planning.

**Improved Operational Efficiency:** Streamlined ETL processes and unified data sources reduced data processing times and improved data accuracy, enabling faster and more reliable reporting.

**Increased Revenue and Market Insights:** Predictive analytics identified emerging market trends and customer preferences, allowing client to optimize marketing strategies and increase revenue.

**Empowered Workforce:** Training and self-service BI capabilities empowered employees at all levels to perform their own analyses, fostering a culture of data-driven decision-making.



# THANK YOU

## FOR YOUR BUSINESS.

At E-Pixel Solutions, we blend cutting-edge technology with creativity to deliver innovative digital solutions. Our team of expert developers, designers, and strategists is committed to turning your vision into reality, ensuring that every project we undertake is executed with excellence.

Founded with a vision to provide top-notch technology solutions, we've grown into a trusted name in the industry, delivering over 500 successful projects across the globe. Since our inception, we have been dedicated to helping businesses across various industries achieve their digital transformation goals.

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