



Analytics & BI Consulting

Jan 2023





Agenda

- About PreludeSys
- Our Services
- PBI Analytics & BI - Services Solution Models
- Accelerators

About PreludeSys

- ✓ In business since **1998**
- ✓ **750+** Employees strong
- ✓ Offices in the **US** and **UAE**
- ✓ Delivery Centers in **US** (Irvine, CA) and **India** (Chennai)
- ✓ CMMI **L3**, ISO **9001:2015**, ISO **27001:2013**
- ✓ **130+** Customers
- ✓ **Leadership team with extensive industry experience**
- ✓ Domain expertise across **finance and insurance, manufacturing, legal records processing, public sector enterprises**

Technology Partners



Our Services



Cloud
Migration



App
Modernization, Mobile
Development



Enterprise
Integration



Data Visualization



Data & Analytics,
AI/ML

Technology Landscape

Data/Azure/Microsoft Technologies



Mobile Development



Enterprise Integration







Dynamics 365

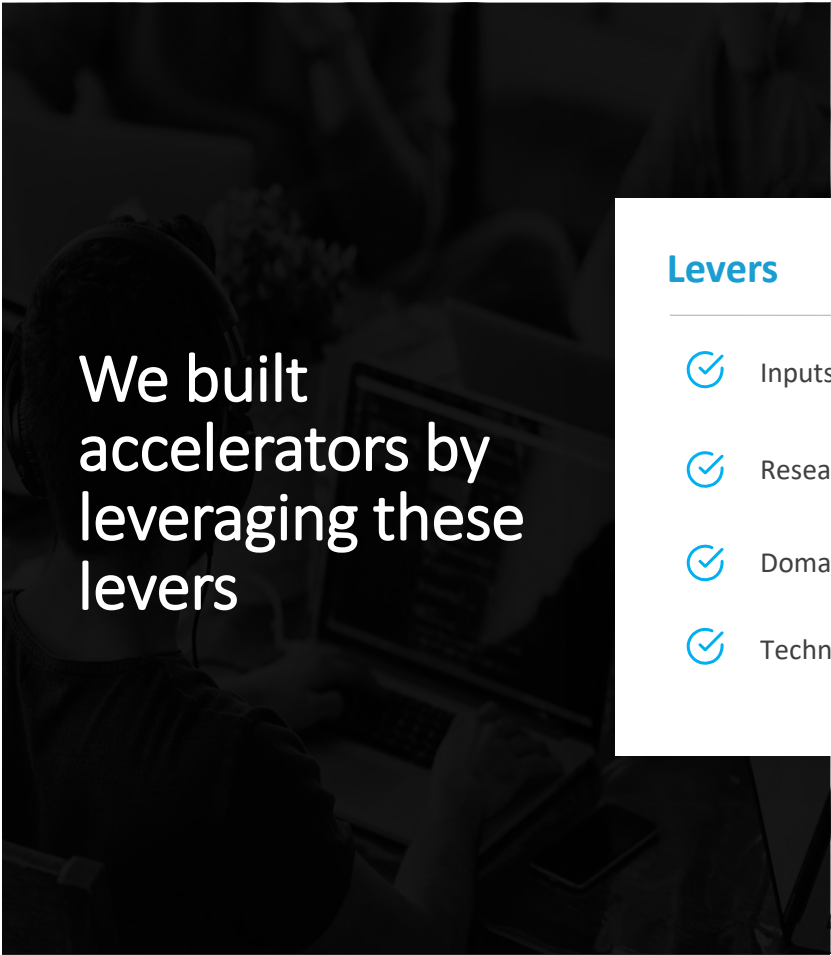


Salesforce



Power BI Analytics & BI Services Solution Models

	CONSULTING	MODERNIZATION	ANALYTICS AND VISUALIZATION	DATA INTEGRATION	REPORTS AND DASHBOARDS DEVELOPMENT
Description 	Analyze existing business model and provide recommendations	Move you from legacy applications. Implement Power BI	Prepare and model data for quick analysis and business insights	Integrate Power BI into commonly-used business tools	Customize Power BI reports and dashboards with critical metrics & KPIs
Drivers 	<ul style="list-style-type: none"> Identify gaps in the existing system Need and urgency for an analytics platform Other potential opportunities 	<ul style="list-style-type: none"> Implement Power BI Desktop, Power BI Mobile, or cloud service Empower self-service BI Keep your business up and running 	<ul style="list-style-type: none"> Get instant business insights Insightful and intuitive reports Visually immersive experience with interactive dashboards 	<ul style="list-style-type: none"> Integrate Power BI into everyday business apps Swift data flow between systems Visualize insights from all the apps in one place 	<ul style="list-style-type: none"> Customize with business-specific metrics Get multi-dimensional view of all the data Be inline with your business
Technologies 	<div>Power BI</div> <div>Power Apps</div> <div>Power Automate</div>				
Results 	<p>Create interactive visualizations from multiple data sources</p> <p>Discover hidden insights and share across organization in minutes</p> <p>Back up business decisions with verifiable data and achieve powerful results</p>				



We built
accelerators by
leveraging these
levers

Levers

- ✓ Inputs from Industry Experts
- ✓ Research Data
- ✓ Domain Experience
- ✓ Technical Expertise

Accelerators

Industrial Insights Accelerator

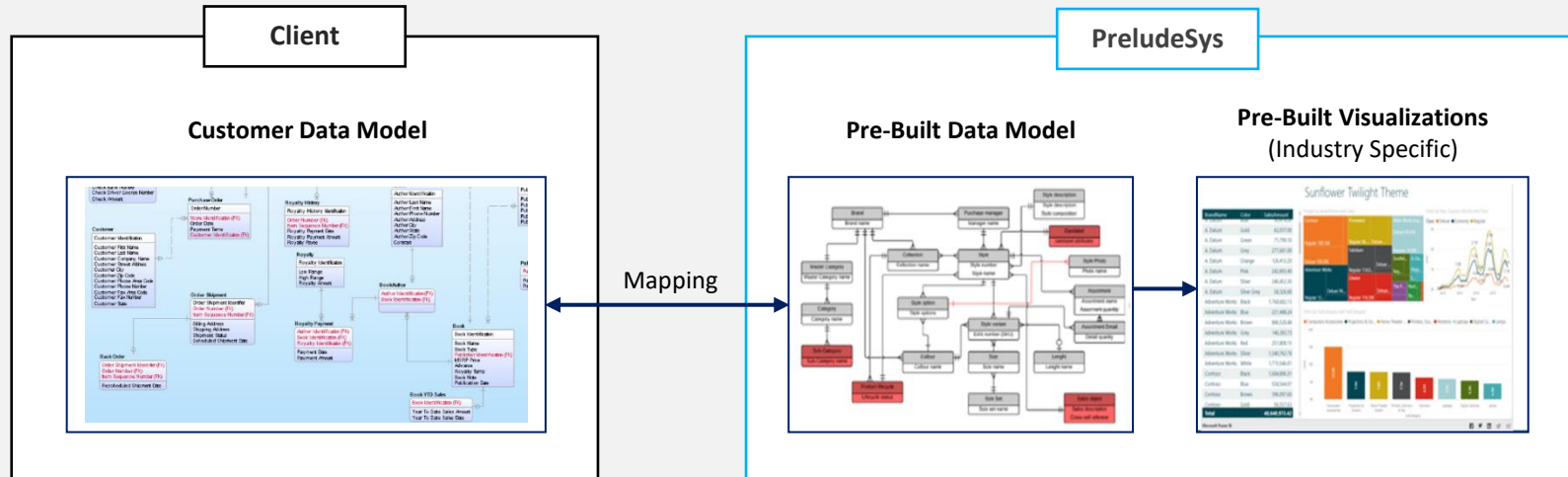
- Retail Accelerator
- Insurance Accelerator

Technology Migration Accelerator

- SSRS to Power BI
- SSIS Metadata Migration

Industrial Insights Accelerator

The Industrial Insights Accelerator is built to solve real-world data issues and to help in real-time data synchronization across the value chain.



Highlights

- Pre-Built Data Model & Visualizations
- Quick to plug-in
- Enhanced data model to address customer-specific reporting needs
- Inbuilt Predictive analytics with proven data science model & algorithms like ARIMA / SARIMA, Linear Regression

Industrial Insights Accelerator for Insurance & Retail portfolio



Retail Accelerator



Sales
Summary



Products



Customer 360



Inventory



Shipping



Returns



Forecast



Insurance Accelerator



Sales
Summary



Claims
Management



Fraudulence
Claim-Summary



Fraudulence
Claim-Accuracy



Fraudulence
Claim-Precision



Fraudulence
Claim-Recall



Fraudulence
Claim-F1-Score



Employee
Performance

Sample Dashboard from Retail Accelerator



Industrial Insights Accelerator - Retail Domain



Sales



Products



Customer 360



Inventory



Shipping



Returns



Forecast

US & Canada Sales Summary

Summary

Sales Performance

Store Performance

Forecast

Date

All

Country

All

City

All

Total Sales & TARGET by Month

\$110.46M

Goal: \$20M (+452.3%)

Revenue

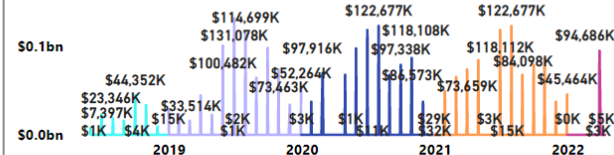
\$2,691.68M

Sales Performance

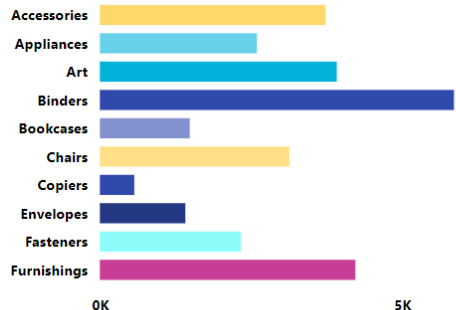
US

Sales by Daily & Weekly

Year 2018 2019 2020 2021 2022

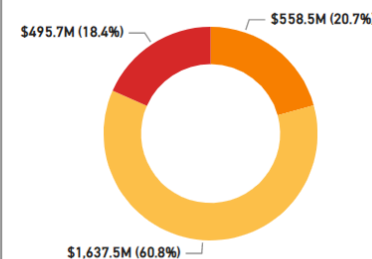


Top Sale Products

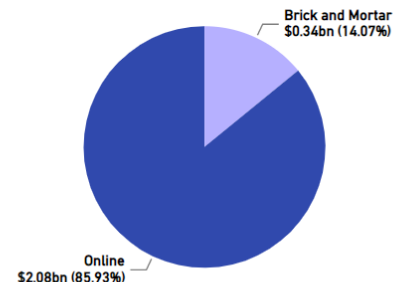


Sales by Category

Category Furniture Office Supplies Technology



Sales by Customer Type



Sample Dashboard from Insurance Accelerator



Industrial Insight Accelerator – Insurance Domain



Year

2021

2022

Policy Type

Auto

Life

Medical

City

All

1188

Policies

1187

Clients

\$190.8M

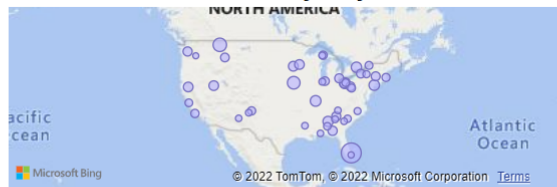
Policy Amount

\$9.18M

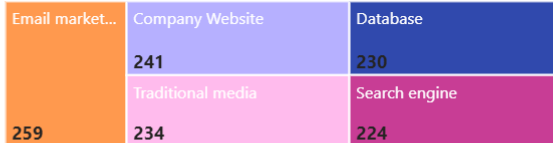
Premium Paid Amount

US & Canada Sales Summary

Sales - By City



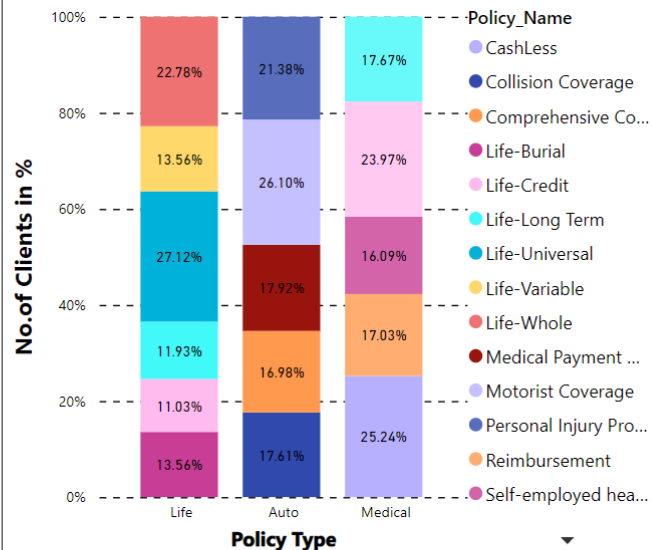
Clients - By Lead Channel



Sales - By Policy Type



Clients - By Policies



Life in Policy_Name made up 12.63% of Count of Client_Id.

At \$13,600,000, Boca Raton had the highest Policy Amount and was 580.00% higher than Wapato, which had the lowest Policy Amount at \$2,000,000.

Boca Raton had the highest Policy Amount at \$13,600,000, followed by Columbia Falls and Atlantic. Wapato had the lowest Policy Amount at \$2,000,000.

Value Proposition



Insights to actions

Transform analytical insights (accelerators) into real-time reports and take action on the data



User-driven innovation

Enriching customer experience by taking feedback from end users and through different channels



AI-infused Accelerators

Spot data patterns and track trends to drive strategic actions on the move with inbuilt AI/ML capabilities



Improve efficiency and Maximize ROI

Reduction in development effort (50 – 60%) with instant reports, resulting in improved efficiency and ROI

Key Analytics & BI Success Stories



Plant-based medical nutrition Co.

To solve client's challenges in data management and reporting, PreludeSys leveraged **Composite mode models** (import & direct query mode) to improve the performance of snowflake data source & Power BI integration. Business benefited **improved performance** due to multi-warehouse/cluster concurrency against the same data in snowflake.



Finance Dashboard - Modernization

Developed a **data transformation and reporting solution** that helped business finance users quickly access the dashboard. Automated all the manual touchpoints in reconciling data from various regions and departments' P&L statements using DAX and Power Queries.



Leading financial custodian firm

Built a **Power BI based On-Demand report generator** that enabled creating visually immersive, and interactive reports for reporting business-critical information to the management



Thank You!