



Faster workflows and Smarter decisions through a scalable Data platform for Mobile technology leader

About Customer

Our client, a mobile technology major specializes in providing transformational technologies to the wireless and video space. They also have expertise in mobile technology research and development.



Customer Situation

The organization had adopted Microsoft Dynamics 365 along with many other enterprise applications in the data ecosystem. In addition, nearly 50 data entities, 54 legal entities with a transactional volume of up to 32 million records made it a complex web.

The incremental growth approach had started to become a bottleneck. The data extraction and its consolidation from

various surround applications was a tedious and time-consuming process as the underlying platform had limitations to support additional application integrations. The customer thus struggled with obtaining data in time for analysis

Hence, the organization saw a need to revisit the data processing model and build a stronger data foundation that can support digital landscape expansion.



Key Drivers

- Delay in processing and consolidating data into a cloud-based data hub
- More than anticipated processing time of full load data from ERP system
- Need for a structured and organized data storage for intelligent decision making and insights consumption
- Move towards real-time data processing in the near future



Project Components & Complexity

The client needed a platform to resolve current challenges and meet future business needs in various areas, apart from addressing processing limitations. The focus was on 3 major areas:

Modern Integration Hub

- Ensure data availability as per requirement
- Simplify architecture for easy maintenance
- Provide scalability to higher data workloads
- API based Modern Integration Approach
- External data (Social / government / News) processing

Real-time Analytics

- Help enterprise with an integrated data view
- Ensure faster Reporting with Data warehouse and Tabular model structures
- Structured Data model for Self Service BI

Advanced Analytics

- Deploy Decision Science Practices - AI / ML Insights & Automation
- Advanced Analytics and Predictive Analytics

Solution

Sonata helped envision an Intelligent Data Platform that would help consolidate the data from varied sources and built intelligent workflows to help orchestrate the data within the ecosystem.

The solution design focused on

- Building a data infrastructure for speedy data processing, agile reporting, and insights delivery
- Ensuring speedy data processing for integration use cases
- Developing a scalable report processing model and report business performance
- Unearthing patterns and critical insights

The platform developed by Sonata, leveraged Microsoft Azure Stack capabilities including Azure Data Factory, Azure Data Lake, Azure SQL DB, and Power BI that significantly contributed to a rise in the overall azure consumption. The platform also enabled the customer with real-time data analytics capabilities

Business Benefits

Key challenges with the present platform were addressed as part of the model developed.

- A flexible and scalable data asset platform was developed by incorporating data strategy principles
- The platform model helped create a detailed implementation roadmap and build the architecture for the enterprise data platform
- Dispense incremental business value prioritized feature delivery
- Apply best practices and best-fit tools in evolving business fit data architecture using 18 Point Data Characteristics framework
- The intelligent data platform developed was equipped with predictive analytical capabilities





WHY SONATA?

Sonata helps clients unlock value and growth through Platforms with Sonata's proven Platformation services. We also help enterprises in shaping their Digital Agenda, Platform thinking and in reimagining Platform business models and ecosystem.

Sonata's platformation approach helps clients to choose a solution that best fits their needs; balancing readily available platforms and solution customization

1. **Sonata READY:** End-to-end, industry-specific digital business platforms
2. **Sonata ACCELERATE:** Deploy popular horizontal platforms adding required functionality
3. **Sonata CUSTOM:** Engineer custom platforms that deliver unique digital capability and scalability

Sonata is a global technology company, that enables successful platform based digital transformation initiatives for enterprises, to create businesses that are connected, open, intelligent and scalable. Sonata's Platformation™ methodology brings together industry expertise, platform technology excellence, design thinking-led innovation and strategic engagement models to deliver sustained long term value to customers. A trusted partner of world leaders in the Retail, Manufacturing, Distribution, Travel, services and Software industries, Sonata's solution portfolio includes its own digital platforms such as Brick & Click Retail Platform®, Modern Distribution Platform®, Rezopia Digital Travel Platform®, Kartopia E-commerce Platform®, Halosys enterprise development automation Platform®, and CTRM Commodity trading and risk management Platform®, KODO - AI powered customer experience (CX) Platform, Sonata's Platformation realization services have been specifically designed so that implementation of services on Microsoft Dynamics 365, Microsoft Azure, AWS, Cloud Engineering, Managed Services as well as on new digital technologies like IoT, Artificial Intelligence, Machine Learning, Robotic Process Automation, Chatbots, Block Chain and Cyber Security, deliver to the Platformation promise. Sonata's people and systems are nurtured to bring together the depth of thought leadership, customer commitment and execution excellence to make a difference to business with technology.



USA | Dallas · Fremont · Bridgewater · Redmond · Atlanta · Chicago · Florida

UK & Europe | Brentford · Frankfurt · Amsterdam · Paris · Copenhagen

Asia | Bangalore · Hyderabad · Singapore · Dubai · Doha · Japan · Malaysia

ANZ | Sydney · Melbourne · Brisbane

