LTI
Let's Solve

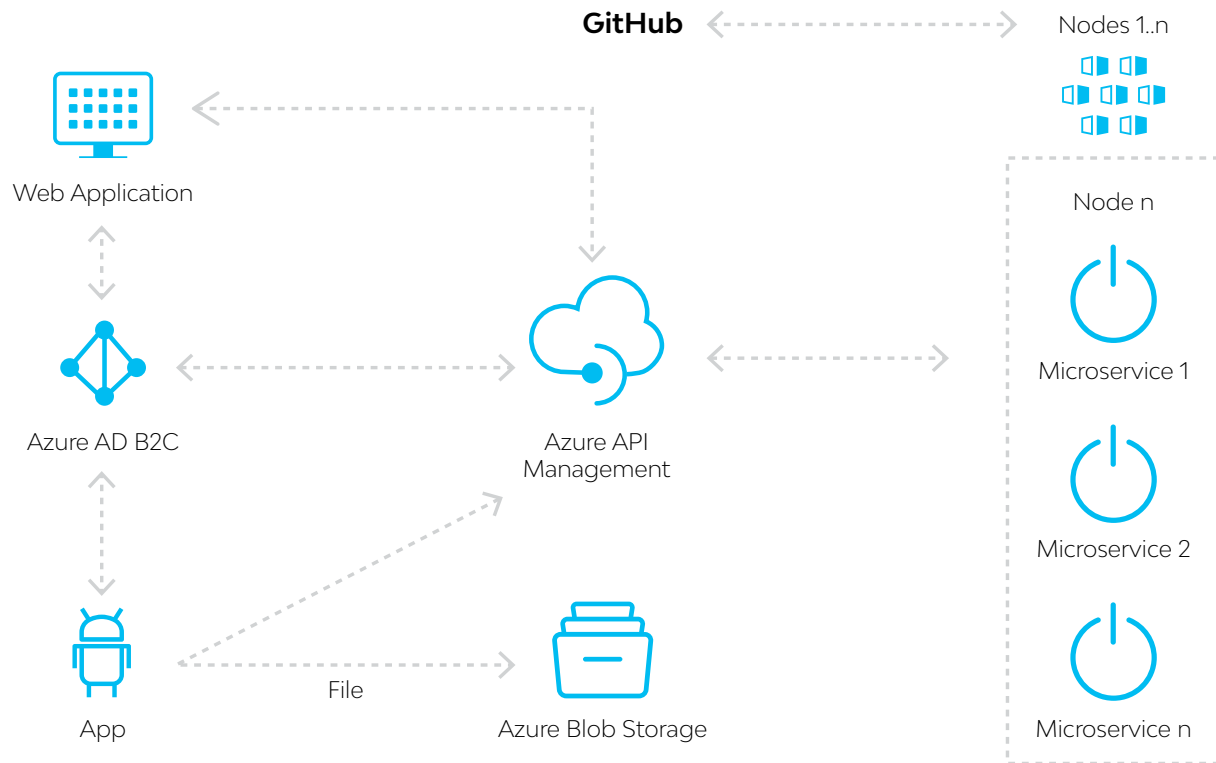# Our Success Stories

Farm Harvest & Fertilization Management Using Azure Container Services for Agribusiness Company
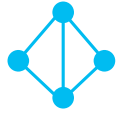
Challenges
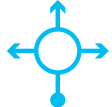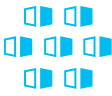
- Capture farm harvest and fertilization data on a daily basis.

- GPS trail & tracking of employees across 58,000 hectares.

- Observations / issue reporting and workflow.

LTI Solution

- The solution makes use of Azure Container Services (ACS), with Docker Swarm as the Orchestrator.

- Java SpringBoot-based microservice, hosted on ACS.

- Persistence implemented, using Azure SQL.

- Telemetry captured, using Azure Application Insights and Container Monitoring Solution.

- OMS used to surface telemetry analytics.

- Azure Blobs used to capture image & voice, and other information, directly from the Android app.

- Azure web app used to host user management portal.

- Azure Active Directory B2C used to manage users.

- Azure API Management (APIM) used as the single point of interface for the Android app.

- Offline data capture and synchronization, when the device is connected to the internet.

GitHub

Nodes 1..n

Web Application

Azure AD B2C

Azure API
Management

Node n

Microservice 1

Microservice 2

App

File

Azure Blob Storage

Microservice n

Technologies / Features / Azure Components Used

API Management	Web App	Application Insight	Active Directory B2C
OMS	Load Balancer	Android	Docker Swarm
Azure SQL	ACS	Blob	Container Registry
Azure Key Vault	Docker Container	SpringBoot Microservice	Redis Cache

Business Benefits Delivered

- 100% automation of farm data capture.

- 80% faster resolution of issues reported, due to the observation workflow.

- Increase in the actual farm produce yield, due to optimization in harvest and fertilization.

- Measure employee efficiency for rewards and recognition.

Cloud Readiness Assessment for US-Based Marketing Services Organization

Challenges

- Right-sizing instances to optimize the cost of services.

- Right migration strategy to minimize business impact and ensure cloud-friendly architecture.

- Identifying dependency groups among applications, to form / move groups.

- Risk assessment and mitigation strategy for the current landscape.

LTI Solution

- Analyze and optimize using "what if" scenarios for right-sizing.

- Workload analysis in the application lifecycle, and scanning of multiple deployment topology options.

- Stakeholder interviews to understand the 360 degree view of an application.

- Multi-dimensional analysis for suitability of cloud platform & risk identification.

Business Benefits Delivered

- 81% saving, compared to the As-Is sizing.

- 25% memory optimization.

- 42% CPU optimization.

- 60% reduction in assessment time.

SAP Landscape Migration to AWS & 24x7 Operational Support for Europe-Based French Utility Company

Challenges

- Highly complex platform due to a number of critical transactions being processed.

- Multiple service providers and internal IT teams, managing platform operations.

- Multiple interfaces to other systems, and it was difficult to assess the impact of each of them.

- Cost escalation due to business growth at an incremental level, rather than at the exponential level.

LTI Solution

- Lift & Shift (AS-IS) migration of application, no change in application architecture during the transition and transformation phases.

- Future-ready platform, handling the future business growth, with improved user experience & non-exponential cost escalation.

- Ensured "Silent Transition", using the SWAT team approach from multiple incumbent vendors, to assume end-to-end operational responsibility of the entire platform.

Business Benefits Delivered

- Leveraged MigExpress Migration Suite to accelerate migration.

- 98% SLAs adhered to, with the converged cloud ops support model.

- 20% reduction in MTTR.

- End-to-end transition from multiple incumbent vendors.

AWS Migration & Operational Support for US-Based Interior Design Company

Challenges

- Limitation of current architecture with respect to scaling.

- High re-engineering & upfront cost, for high availability solution, without the assured return.

- Low performance, reliability, and less options.

- Non-standard infra elements, due to the unplanned manner of procurement.

- Higher operations cost, and lagging behind the market in terms of technology and process.

LTI Solution

- Review of the current and long-term business requirements, and tool-based cloud assessment of the current landscape - SAP and non-SAP w.r.t to AWS.

- SAP landscape migration, using import/export; and non-SAP landscape migration.

- 16X5 support, and 24X7 monitoring & real-time notification in the shared services model.

Business Benefits Delivered

- 60% cost reduction.

- Near zero downtime during migration.

- A single window for IT operations, with adaptive cloud ops.

- 65% increased productivity, with focus on business.

SharePoint Platform Migration for US-Based Mass Media Corporation

Challenges

- The client wanted to migrate content from SharePoint 2007 to SharePoint 2013 Online.

- Needed analysis of existing SharePoint 2007 farms.

- Needed to identify and remove obsolete team sites.

- Remediate large number of custom solutions.

LTI Solution

- P2P Analyzer used for deep analysis of the source farms.

- Migrated 78 applications from MOSS 2007 to SharePoint Online, using Sharegate migration suite.

- Migrated ~ 120 GB content, using the Sharegate migration suite.

- Business processes and workflows created using SharePoint Designer workflows and Nintex workflows.

- SharePoint-hosted apps were created to overcome some of the SharePoint Online limitations e.g. the KPI list, which was not supported in SharePoint online, was achieved using the app model.

- Scheduled jobs / custom timer jobs were converted to Windows scheduled jobs, and business logic was converted to CSOM.

Business Benefits Delivered

- Detailed information about the existing farm will help set up the new SharePoint farm.

- Planned migration, by referring to the Analyzer report.

Migration of Livelink to SharePoint 2013 Online for Semiconductor Major

Challenges

- Livelink 9.7 is a legacy CMS Platform, not supported by OpenText.

- 18 TB data to be migrated.

- Too heavy hardware & maintenance requirements for Livelink.

- Difficult to manage collaboration in Livelink.

- Leveraging information scattered across multiple information silos.

- Managed publishing of documents with approvals.

- Cloud adoption.

LTI Solution

- Leverage Office 365 Cloud platform to get rid of the hardware constraints.

- Migration using in-house P2P migrator tool, with Azure Turbo API.

- Migration of old file shares to the new platform, using an in-house migration tool suite.

- Backup farm and disaster recovery planning & testing.

- Manage document-related processes with workflow designs, using SharePoint Designer.

- Information right management policies implementation.

Business Benefits Delivered

- Achieved organization strategy of cloud adoption.

- Eliminated IT infrastructure and maintenance by moving to cloud.

- Migrated to a modern CMS & collaboration platform like SharePoint.

- Migration at no additional cost, since it was provided by LTI as part of the service.

- No need for further platform upgrade, as Office 365 is auto upgraded by Microsoft.

SharePoint Platform Migration for Denmark-Based Leading Oil Drilling Operator
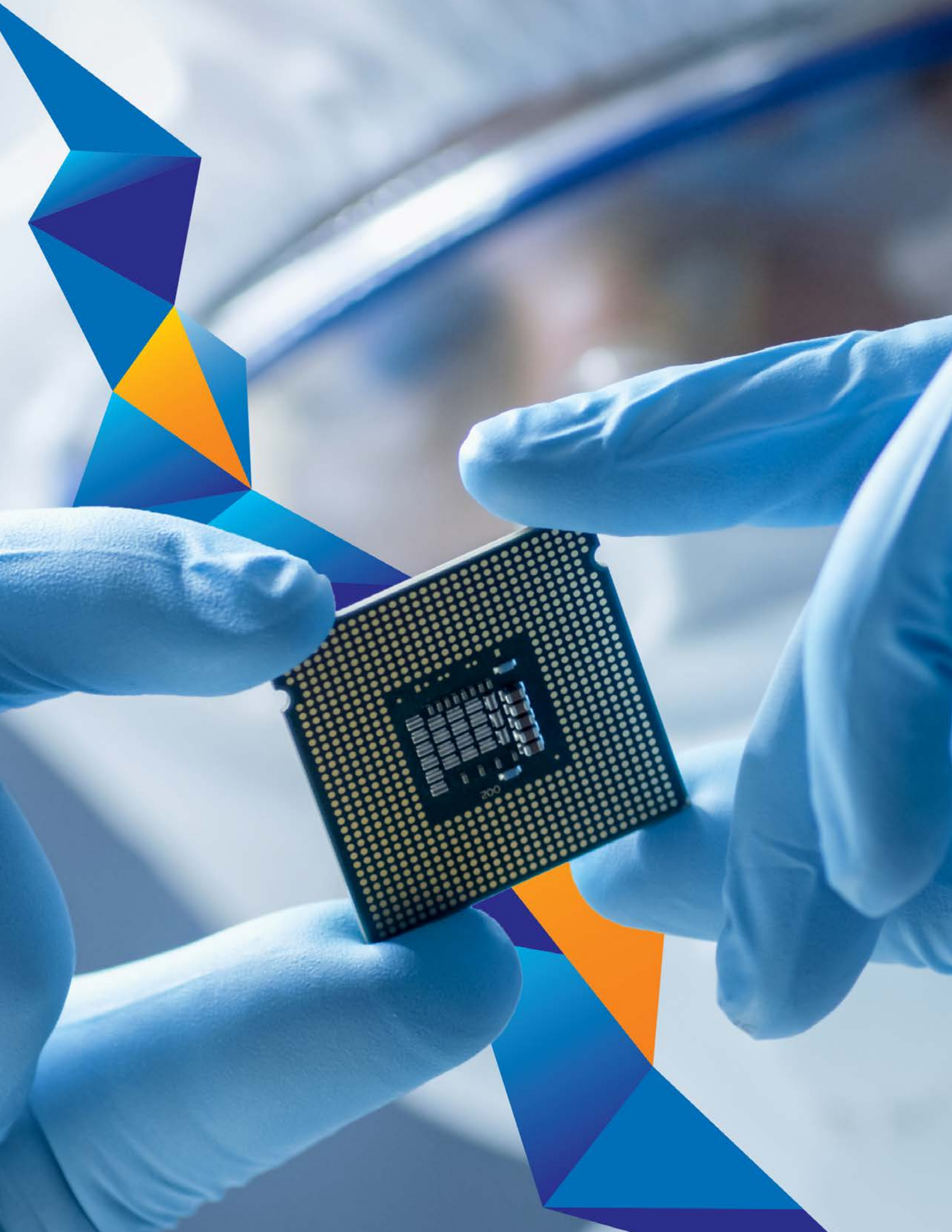
Challenges

- The client wanted to migrate the content from SharePoint 2010 On-premise to SharePoint 2013 Online.

- Needed analysis of existing SharePoint 2010 farms.

- Needed to migrate data in the off-business hours, to have minimal downtime.

- A total of 205 site collections needed migration, including intranet and extranet sites.

LTI Solution

- LTI ran the "Point To Point" tool for analysis on both the farms.

- Created detailed report, with all the required information on out-of-the-box customizations.

- Used Sharegate tool for migration.

- Referred to the P2P Analyzer report for creating batches for migration, on the basis of size and usage category.

- Extracted site users information from the Analyzer report, for sending downtime mails.

- Incremental migration, in case of failure of final migration.

- Link remediation in quick launch, navigation bar and links lists.

- Remediated custom solutions, by converting them to SharePoint-hosted and provider-hosted apps, in Azure.

Business Benefits Delivered

- Detailed information about the existing farm, will help set up the new SharePoint farm.

- Planned migration by referring to the Analyzer report.

- Creation of migration strategy, based on the content.

Migrating of Livelink & SharePoint Platform for UK-Based Water Utility Company

Challenges

- OpenText Livelink 10 is a legacy CMS platform, and SharePoint 2010 is also an obsolete CMS platform by SharePoint standards.

- Heavy hardware and maintenance required for Livelink & On-premise SharePoint.

- Adhering to the cloud adoption strategy in the organization and building new information architecture in SharePoint Online.

- Having more collaborative environment for sharing, management and validation of documents.

- Managing project documents; and controlling document distribution & tracking with transmittals and workflows.

LTI Solution

- Leverage Office 365 Cloud platform to get rid of the hardware constraints.

- Store and organize documents in a document center site.

- Migration of old documents to the new platform, using an in-house migration tool suite (P2P migration suite).

- Auditing the document access, and providing alerts for any change in documents.

- File size and document type restrictions.

- Document search and retrieval capabilities.

Business Benefits Delivered

- Successfully executed a pilot project for adoption of SharePoint Online.

- Central repository of all documents for access and collaboration.

- Less usage of mails, for sending heavy attachments.

- Faster and more accurate search results of documents.

Integration of Multiple HI Applications into RAPID (DWH) Using Informatica for Leading Medical Devices Manufacturer

Challenges

- Isolated HI sources, with data access restricted to DBAs and the select few in the IT team.

- Manual requests for OLTP reports, serviced by the MS SQL DBAs, on request from users.

- Lack of data governance to monitor & regulate data distribution for analytics.

- Since history wasn't tracked, analytical reporting was not possible, further restricting usage of the HI data.

LTI Solution

- LTI had detailed sessions with the client to understand its business processes, and proposed to build a scalable DWH accordingly.

- Delivery of a data model, which integrates data from various HI applications.

- Jobs developed through Informatica and scheduled through Jobscheduler.

- Empower HI users from various internal teams for self-serviced BI on the HI data.

- Enable data science and predictive analytics on the HI data.

Business Benefits Delivered

- Single version of truth, for a consolidated and integrated form of data collected from multiple source systems, to maintain sanctity of data and its definition.

- Improved usability through a simplified data model, enabling data distribution at a faster pace.

- Cost saving through an effective device usage reporting.

- Billing process streamlined.

SAP Migration to Azure for Leading Utility Company

Challenges

SAP Landscape Migration from on-premise data center to Microsoft Azure (Netherlands), with minimal business impact.

LTI Solution

• LTI adopted the following migration approach to solve the client's business challenges.

  - Parallel export / import method

  - Sizing and ordering of import packages

  - Archiving of large customized tables

  - Upfront Oracle TDE implementation

• ERP Landscape: Development > Quality > Production

  - Multiple migration testing of production copy

  - Disaster Recovery setup for business continuity

Business Benefits Delivered

• Reduced total cost of ownership.

• Increased productivity and quality of the SAP systems.

• Complete SAP landscape migration to the Azure Cloud.

• Flexible client landscape management.

• Affordable geographical disaster recovery solution.

Digital Transformation of Large Global Bank

Challenges

- Move the bank from traditional "application-centric" enterprise architecture with 1,100 systems and 20,000 point-to-point (P2P) interfaces, to a new lean "data-centric" SOA-aligned reusable service-driven architecture.

- Reduce development cost and time-to-market for new implementations.

- Technology standardization for interfaces, for easy replication across the bank's multiple LOBs.

- Create building blocks to enable the bank's foray into the API economy, and monetize investment through collaboration with Fintech firms.

LTI Solution

- Enterprise Data Management Integration (EDMI) was designed as an enterprise service layer, based on SOA principles, to address all the integration needs of the bank.

- A hybrid model of reusable functional services & messaging standards, created by partnering with domain experts and the bank's strategic programs.

- Services built using project demand-driven incremental approach, leveraging an amalgamation of industry standards, including BIAN, ISO and IFX.
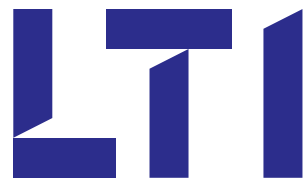
- A high level of decoupling and abstraction was provided by creating a unique sustenance model of ISO20022 compliant services for external consumption. However, the legacy provider systems were only ISO 8583 compliant within the service.

Business Benefits Delivered

- High ROI of USD 1.9 million cost savings achieved, by reducing the development and test cycle effort from 3-4 months to 2-4 weeks.

- 70% reduction in time-to-market for new implementations.

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