Data Driven Insights
Leveraging Azure Data Services
Data & Insights Capabilities
Delivering Value through Innovation

**Extensive Experience**

300,000+
Public Cloud Instances Managed

1,000,000+
Workloads managed

670 PB
Private Cloud Data Managed

**Key Azure Solutions**

Industry wide reusable Claims Analytics Solution built using Native Azure services

Predicted parts failure on 250k+ Commercial Vehicles in near real time

**Specialized Resources**

10,000+
Public Cloud Specialists

30,000+
Application Experts

**Azure Specialization**

13
Certified Gold Competencies

700+
Microsoft Azure Certified

3000+
Resources actively engaged on Azure across globe on various engagement

**Powered by Innovation**

Azure Expert Managed Services Provider (MSP)
Microsoft Azure GOLD partnership

**E2E Cloud Offerings**

- Cloud Consulting
- Azure Migration
- Azure Data Lake
- Hybrid Cloud Implementation
- Multi-Cloud Integration
- Azure Analytics

**Powered by Expertise**

Atom

SyntBots

Innovation Labs

Cloud Migration Tool kit

Cloud Assessment Tool kit

**Powered by Innovation**

Azure Migration

Hybrid Cloud Implementation

Multi-Cloud Integration

Azure Analytics
Specific Azure Offerings

Purpose build Catalogue for Helping Data Modernization using Azure

- **Cloud Consulting**
  - Strategies Azure Implementations

- **Azure Migration**
  - Lift & Shift/ Refactor/ Rearchitect/ Rebuild
  - Migrate Data Lake, RDBMS, Appliance to Azure Data Platform

- **Azure Data Lake**
  - Green Field Implementations
  - Data & Compute Workload management using best of Native & Opensource Ecosystems

- **Hybrid Cloud Implementation**
  - Seamless Integration across Azure and On-premise Ecosystems

- **Multi-Cloud integration**
  - Go beyond Azure, integrate best of the breed Technologies & services across platforms
  - Data Fabric realization across multiplatform ecosystems

- **Azure Analytics**
  - Extensive Domain Knowledge & Data Science expertise integrated to derive differentiating Insights
Core Atos Azure Services

Assess
- Cloud Adoption Framework
- Platform Migration Assessment
- Data Migration Assistance
- Workload Migration Service

Optimize
- Azure Cost Management
- Azure Reserved Instances
- Azure Monitor
- Log Analytics and Application Insights
- Azure Service Health
- Azure Automation

Secure and Manage
- Azure Governance
- Azure Security Center
- Azure Network Watcher
- Azure Access Management
- Azure DevOps

Migrate and Modernize
- Rehost - Lift and Shift (IaaS)
- Refactor - Repackaging (IaaS + PaaS)
- Rearchitect – Scale and Optimize (IaaS + PaaS + SaaS)
- Rebuild – Develop from scratch (PaaS + SaaS)
Azure Data Modernization: Execution Phases

**Specific Technical Activities aligned per Phase**

**Get**
- Source Provisioning
  - Automated Data Ingestion Pipelines
  - Enterprise Data Catalog
  - Contextual Data Organization

**Prepare**
- Content Readiness
  - ETL / ELT Modernization
  - Information Parsing
  - Content Curation
  - Augmented Analytics
  - Workload Management

**Extract**
- Insights Extraction
  - Content Mining
  - Information Correlation
  - Data Harmonization
  - Fast Data Analytics
  - Knowledge Graph

**Deliver**
- Value Delivery
  - Data Democratization
  - Insights Infusion
  - Enterprise Data Fabric
  - APIfication

**Azure DevOps**
- Team Planning Tracking to deliver Value
- Collaborative Code Management in Private Git

**Cloud agnostic CICD to manage any Git Repo.**
- E2E Test Management
- Create, Host and Share Packages with Integrated CICD
Atos' innovative accelerator “Data Modernization Toolkit” brings in ~20% productivity gain in overall cloud data modernization through Automation.
Our Azure Experiences in Data Driven Transformation

**Marketing Effectiveness**
Scored 78 million Credit Union members for targeted marketing of insurance & financial products
30% Improvement in lead conversion

**Supply Chain Analytics**
Modern data warehousing solution to improve hospital supply chain efficiencies
25% Improved Supply Chain efficiencies

**Voice of Customer**
Building Common/scalable Azure platform to enrich customer experience across multiple regions
Designed to Scale 5x volume

**Next Gen Telematics**
Predicted parts failure on 250k+ Commercial Vehicles in near real time
20% Reduction in fleet downtime

**Data Platform Modernization**
Implemented repetitive engineering principals to optimize the existing complex & branched codebase
60% Reduction in overall platform cost

**Shipment Experience**
Predicted custom caging using 20 years of shipment & clearance data from 180+ countries
20% Higher custom clearance
# Atos Key Differentiators

*A partnership with proven and pragmatic tools you can leverage*

<table>
<thead>
<tr>
<th>Cloud Data Modernization and Assessment Tool-kit</th>
<th>Utilities Specific Accelerators and IP</th>
<th>Data Intelligence Community</th>
<th>Azure Ecosystem Leverage</th>
<th>Atos Studio and AI Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Data Strategy tool-kit</td>
<td>• Utilities Data Model</td>
<td>• Vibrant community of data intelligence experts within ATOS</td>
<td>• Strategic Partnerships with Azure</td>
<td></td>
</tr>
<tr>
<td>• Data Ingestion Bots</td>
<td>• Asset Analytics tools</td>
<td>• Internal forums for knowledge sharing &amp; idea generation</td>
<td>• Joint innovation</td>
<td></td>
</tr>
<tr>
<td>• Streaming data Bots</td>
<td>• SMART Metering and AMI Solutions</td>
<td>• Meter to Cash Business Process Tool-kit</td>
<td>• Joint Solution Design</td>
<td></td>
</tr>
<tr>
<td>• Data Mashup Bots</td>
<td>• Meter to Cash Business Process Tool-kit</td>
<td>• Data Management best practices</td>
<td>• Access to Beta version</td>
<td></td>
</tr>
<tr>
<td>• Data Organization Bots</td>
<td>• Risk Management best practices</td>
<td>• Active participation in hackathons, technology days</td>
<td>• Knowledge Sharing</td>
<td></td>
</tr>
<tr>
<td>• Data Lake View</td>
<td></td>
<td></td>
<td>• Training &amp; Certification</td>
<td></td>
</tr>
<tr>
<td>• Teradata Takeout</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Azure Migration tool-kit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **20-30% Accelerated Cloud Data Migration**
- **30-40% Faster Time to Market**
- **New Idea generation and validation**
- **Maximize value from technology investments**
- **Rapid Experimentation & Prototyping**
Thank you!

For further details contact –

Hemant.Kulkarni@atos.net

Global CTO – Data & Analytics (AARA)