





Names and Faces



Mark Van Name Con Edison Program Manager – Customer Data & Analytics



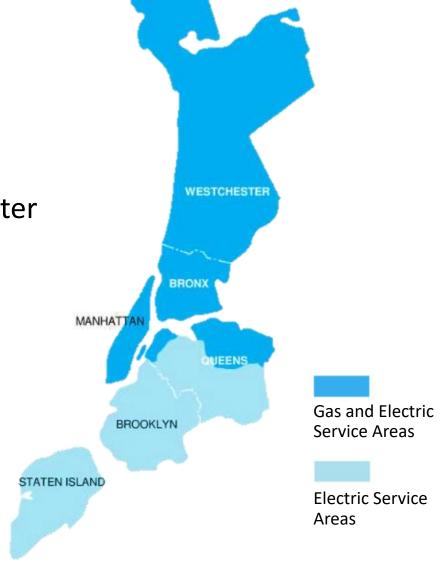
Dan Smilowitz Con Edison Head of Enterprise Data & Analytics



Brian Baids West Monroe Manager - Technology

About Con Edison

- Founded in 1823 as New York Gas Light Company
- Provide electric, gas, and steam to NYC and Westchester
 - 160k miles electric cable
 - 4.2k miles steam gas mains
 - 105 miles steam mains & pipes
- 4M+ accounts serving 10M residents
 - 3.5M electric accounts
 - 1.1M gas accounts
 - 2k steam accounts



About West Monroe

West Monroe is a digital services firm that works in diverse, multidisciplinary teams of industry, operations, and technology experts to deliver quantifiable financial value.

We help clients be digital.



2,300 employees connected by 13 values **9 offices** across the globe

Industry Expertise

- Healthcare & Life Sciences
- Consumer & Industrial **Products**
- Energy & Utilities
- Financial Services
- High-Tech & Software
- Private Equity

Functional & Technical Expertise

- Mergers & Acquisitions
- Corporate & IT Transformation
- Marketing, Sales & Service
- Operations
- People & Org

- Analytics & AI
- Cybersecurity
- Digital Strategy & Product/Experience Design
- Product Engineering
- · Cloud, Systems, & Platforms

Our clients

79.8

Net Promoter Score

97%

of clients consider us a trusted advisor

of the Fortune 100

of the Top 100 **Private Equity firms**

Our company at a glance

2002

Year founded 94%

of employees say its a great place to work

7,000

Pro bono hours annually







The Digital Customer can interact with multiple channels and teams in a single day

Con Edison has developed a variety of ways to ensure that each customer can get what they need, how they want it











Con Edison teams are focused on serving customers and constantly improving the customer experience

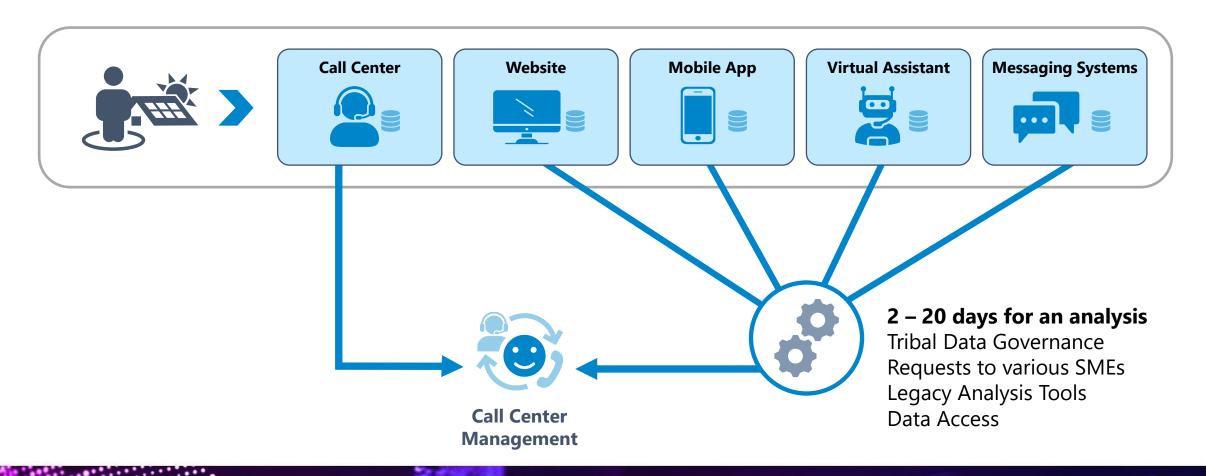




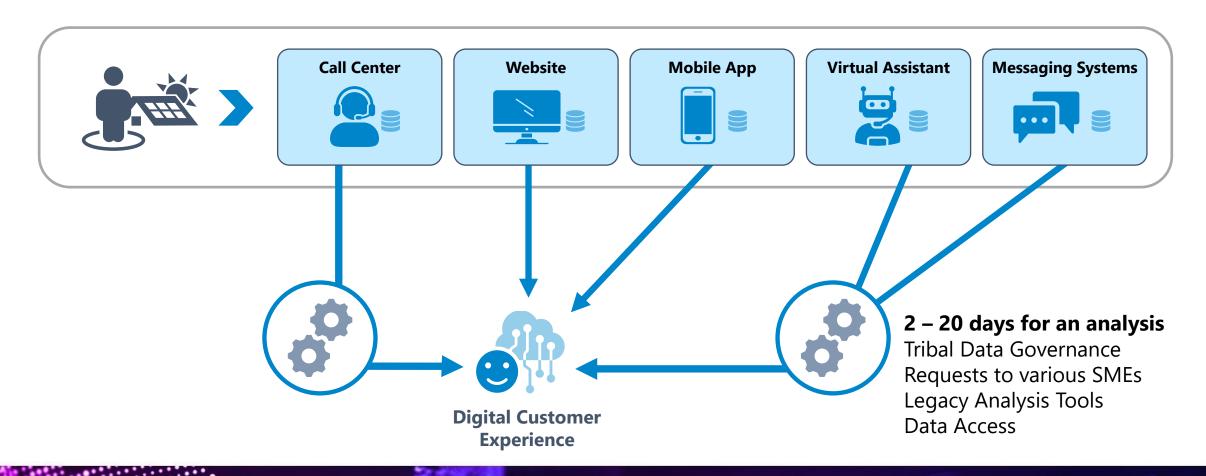




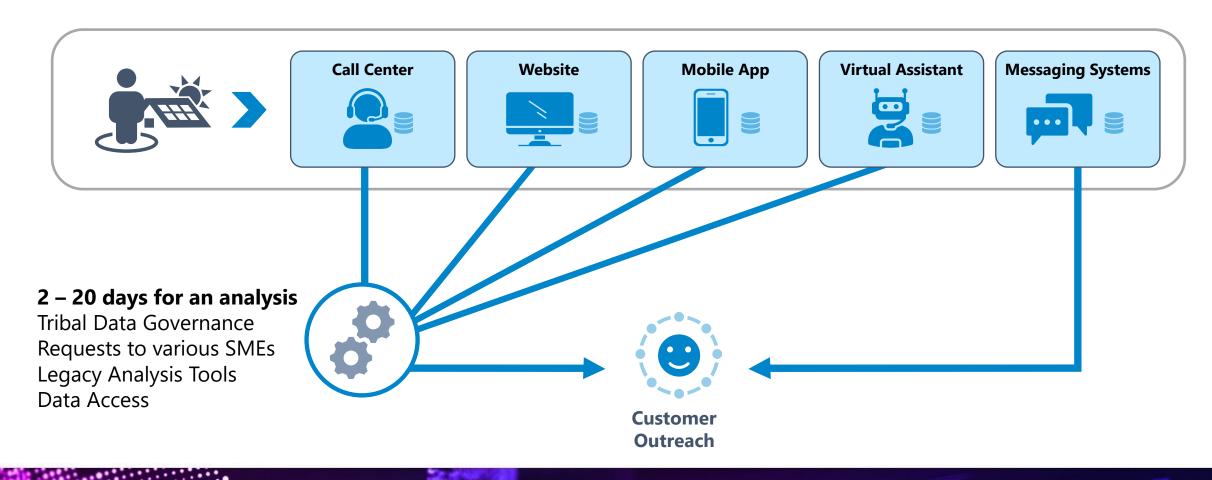
Generating insights on customer interactions requires intense collaboration and data availability



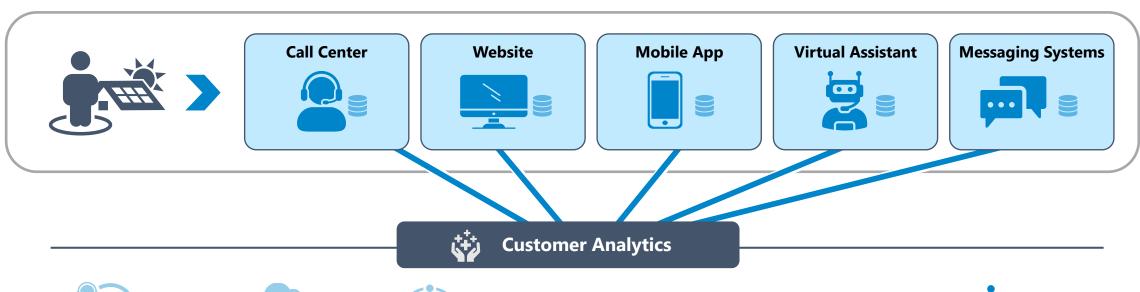
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An analytics solution was needed to unify data and empower users with varying skillsets













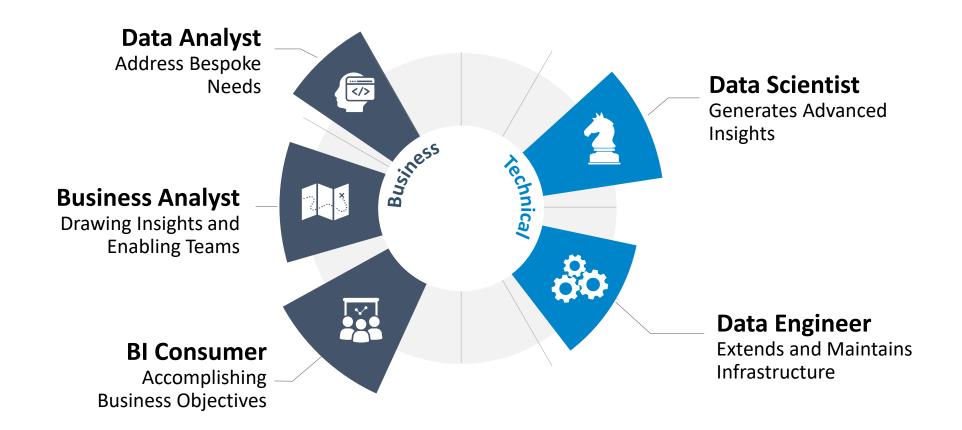








Our stakeholders represent a wide range of needs spanning business and technical teams



Business stakeholders have a range of capabilities and responsibilities

RESPONSIBILITIES PAIN POINTS 1. Disparate datasets • Strategic ad-hoc analysis Data Analyst 2. Supporting new asks with old • High priority requests 5% of users capabilities • Generate new analysis patterns 1. Manual reporting processes Generate recurring reporting **Business Analyst** 2. Infrequent glimpses of data • Answer questions related to their 20% users 3. Limited ability to explore business unit **BI** Consumer • Execution of business 1. Aging capabilities 2. Limited exposure and training functions aided by data assets 75% of users

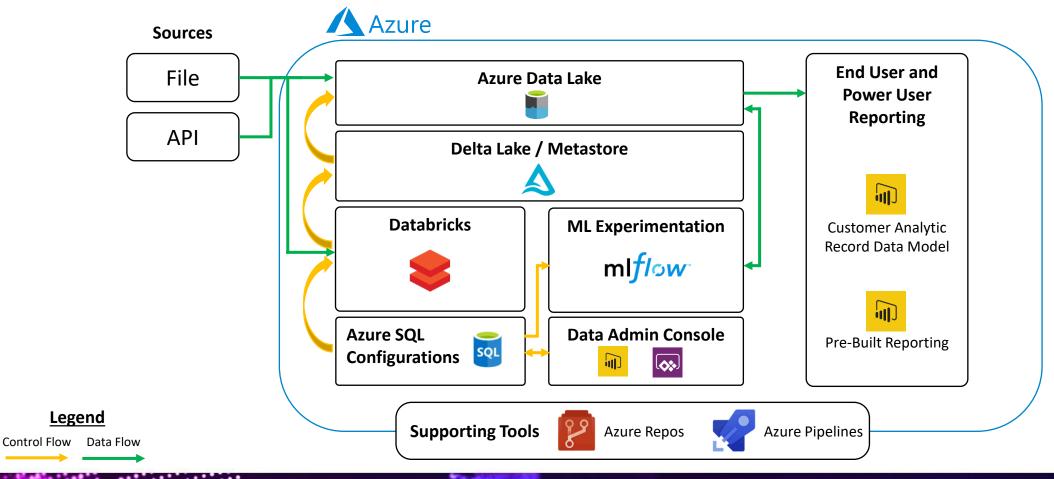
Technical Stakeholders serve different business initiatives across a fragmented environment

	RESPONSIBILITIES	PAIN POINTS
Data Scientist	 Support complex business asks Evaluate ML solutions Develop and productionalize analytics capabilities 	 Unavailable or low-quality data for experimentation Varied tools for experiments and deployment
Data Engineer	Develop ETL and Data solutions to support business initiatives	 Learning curve between systems Capabilities and data are siloed in different systems

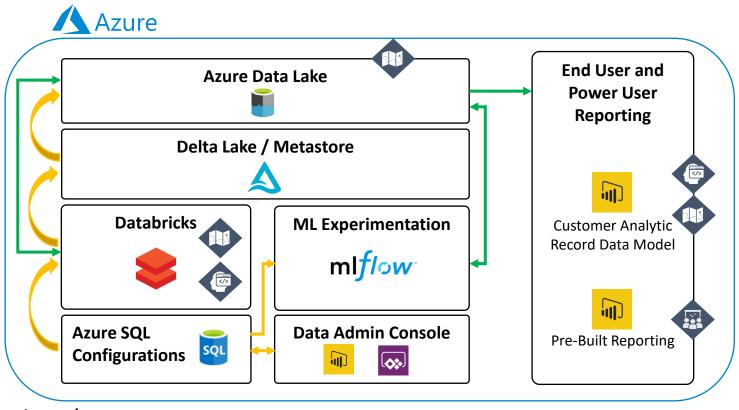




Con Edison has implemented a cloud-based metadata driven platform that combines best-in-class technologies



Business Stakeholders benefit from the integration of disconnected sources and workflows through modern tools





Data Analyst

- Integration of disparate systems
- Highly performant querying in Databricks and visuals in Power BI



Business Analyst

- Reporting without manual intervention
- Investigative capabilities in Power **BI** and Databricks



BI Consumer

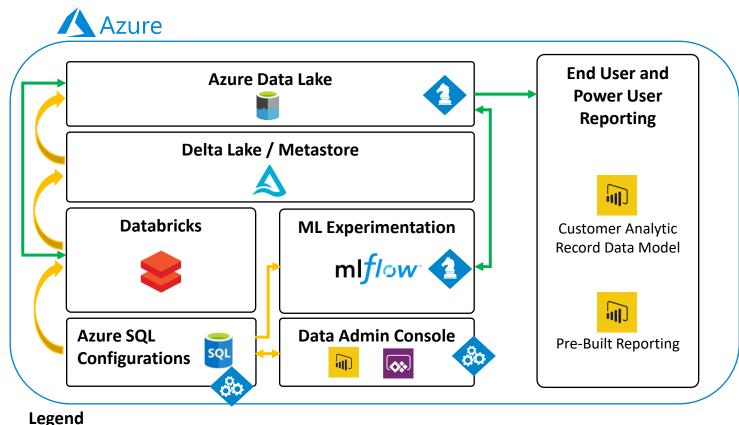
Self-Service reporting with most recent data







Technical stakeholders have access to a platform that provides capabilities abstracted to simple configurations



Control Flow Data Flow



Data Scientist

- Raw, semi-processed and processed data expands options for analysis
- Integration of ETL and Mlflow allows for tight management of experiments and easy integration into data structures



Data Engineer

- GUI capabilities democratize bestin-class cloud capabilities
- Integrated monitoring and management capabilities using the Power Platform





Candidates for upcoming initiatives may range from merging existing infrastructure to fine tuning the results of this effort



Connecting this Azure-based solution with existing technologies to streamline business users' path to insights



Integrating Energy Efficiency and Grid Asset Management systems to combine asset management, grid ops and customer analysis



Considerations for a 4th business user who needs to self-serve with low-code/no-code solutions