NEUDESIC
Microsoft
Microsoft Partner of the Year
2015 Winner
Big Data and Analytics
BIG DATA &
ADVANCED
ANALYTICS
ROADSHOW

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CO-SPONSORS

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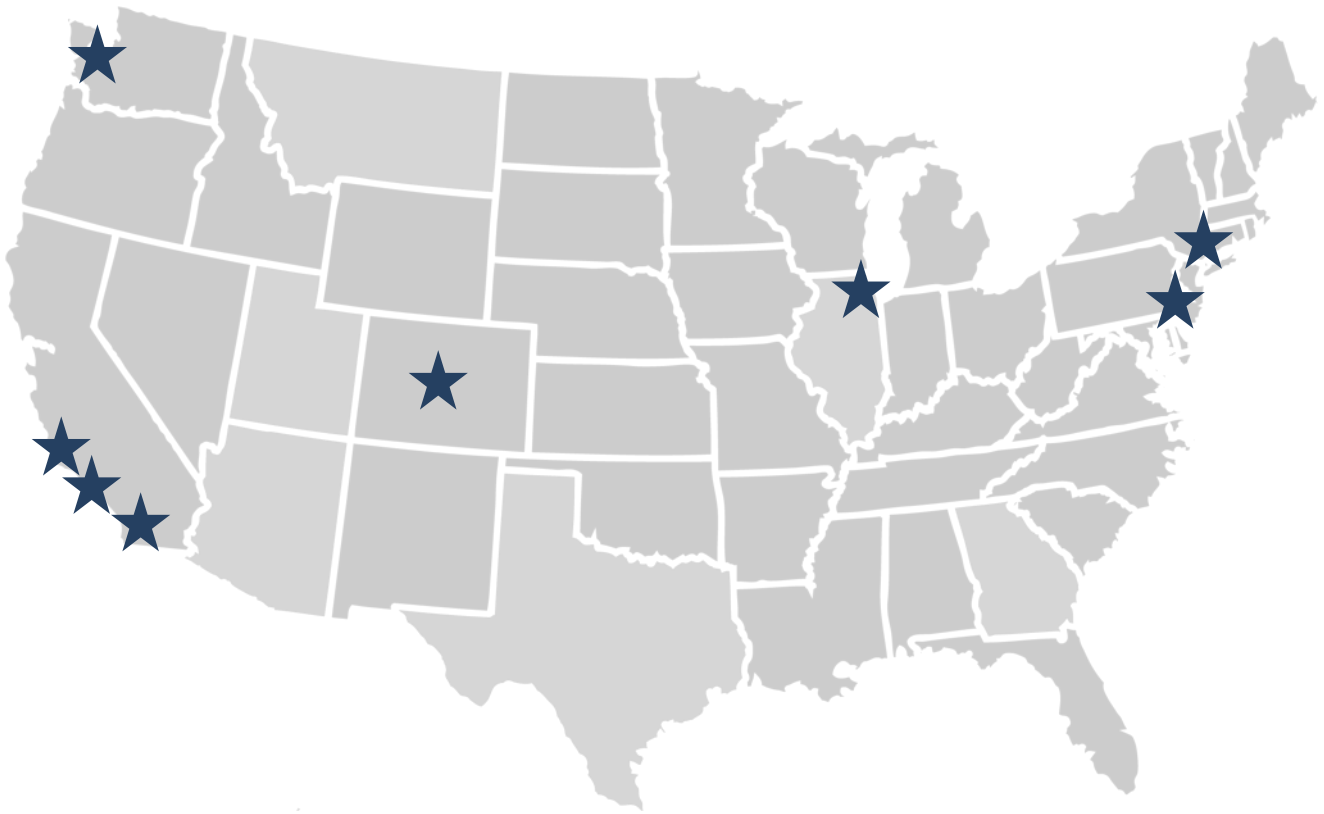
UPCOMING

ROADSHOW STOPS

Los Angeles: Wednesday, February 10th
Orange County: Thursday, February 11th
Chicago (burbs): Wednesday, March 30th
Chicago (downtown): Thursday, March 31st
San Diego: Thursday, April 7th
Seattle (downtown): Thursday, April 21st
Denver (tech center): Tuesday, May 10th
Denver (downtown): Wednesday, May11th
Philadelphia: Tuesday, June 14th
New York City: Wednesday, June15th



www.neudesic.com/bigdataday2.0

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TODAY'S

AGENDA

Morning: *For business managers, architects, developers, analysts and data scientists*

10:00 AM	Morning check-in
10:30 AM	Beyond Traditional BI: Use cases for leveraging **ALL** data
11:30 AM	Lunch & Registration for afternoon sessions

Afternoon: A Deeper Dive: *For architects, developers and data scientists*

12:30 PM	Big Data Processing: A deep dive in Hadoop/Spark & Azure SQL DW
1:30 PM	**Big Data-as-a-Service Demos**:

- Provisioning HDinsight clusters, Azure SQL DW databases, Machine Learning, Stream Analytics & Power BI
- Enabling independent scaling compute and storage
- Pricing it up: Deriving insights from terabytes of data for under $10/day

3:00 PM	Big Data and IoT: Advanced Analytics deployment stories and reference architectures
4:00 PM	Open Q&A

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ACCELERATING

MODERNIZATION ACROSS THE ENTERPRISE

Xamarin

Microsoft SQL Server

SharePoint

NINTEX

Microsoft Dynamics

Microsoft Azure

hadoop

Microsoft BizTalk Server

Office 365

amazon web services

tableau SOFTWARE

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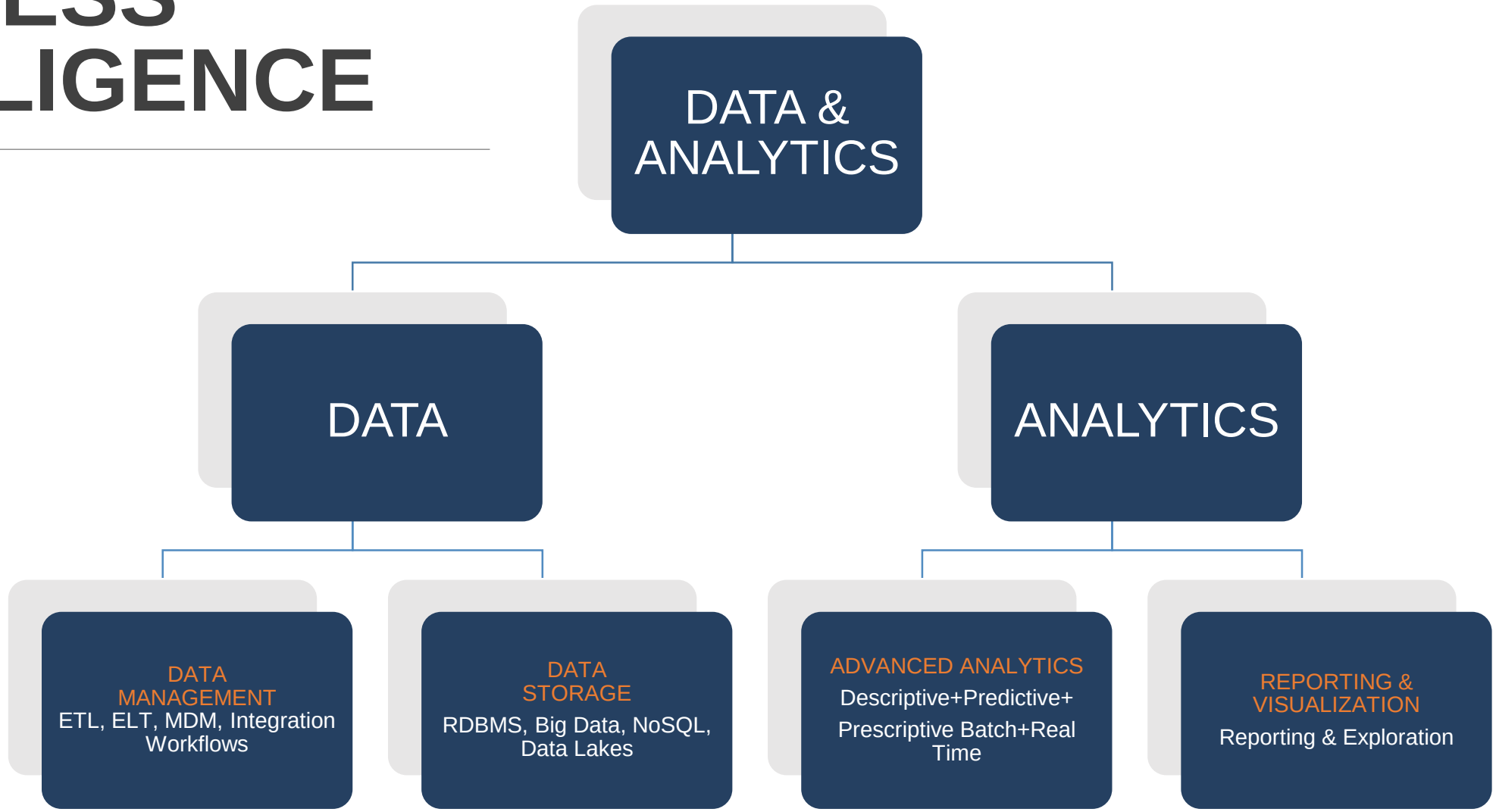
MODERNIZING

BUSINESS INTELLIGENCE



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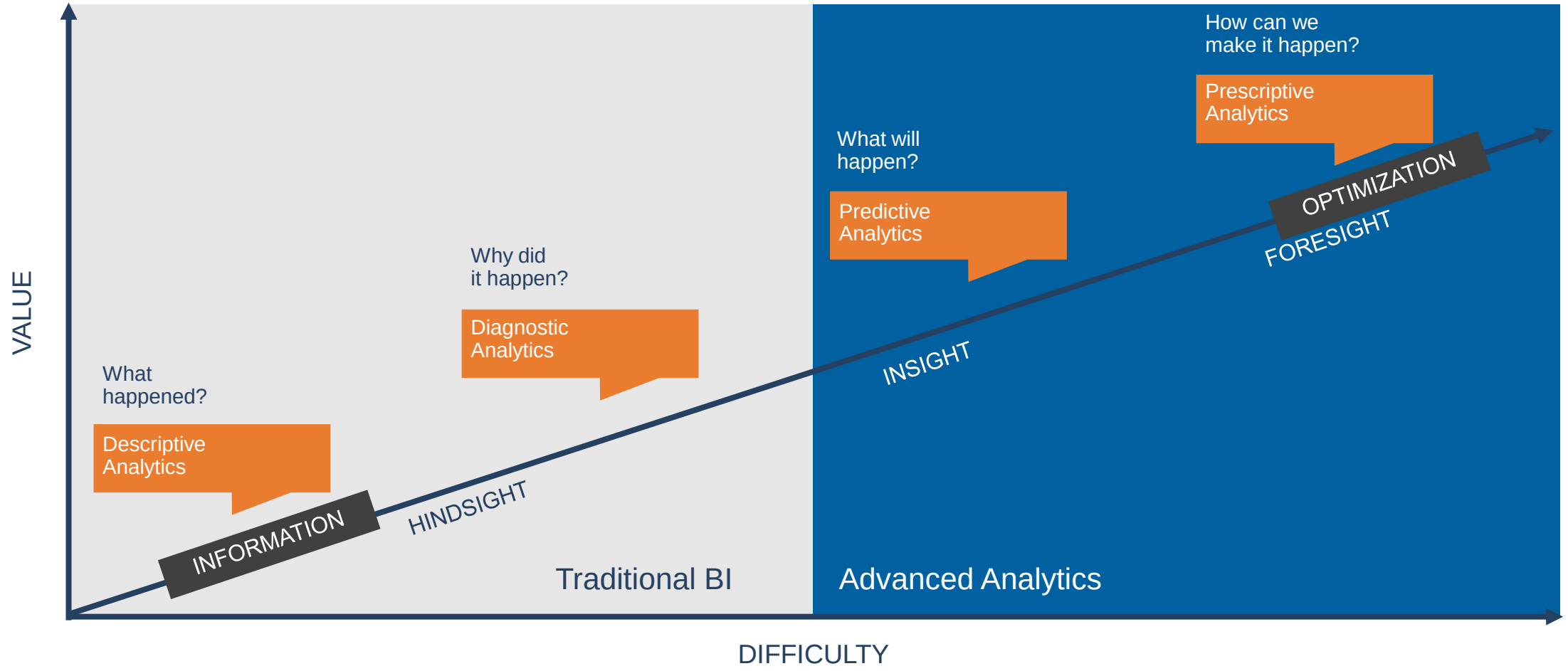
BI VERSUS

ADVANCED ANALYTICS



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TODAY'S

PRESENTERS

MARC LOBREE

Director, Advanced Analytics,
National Architect

ORION GEBREMEDHIN

Director of Technology, Data & Analytics
Microsoft V-TSP, Desert Mountain Region
Microsoft Azure & Data Platform Insider

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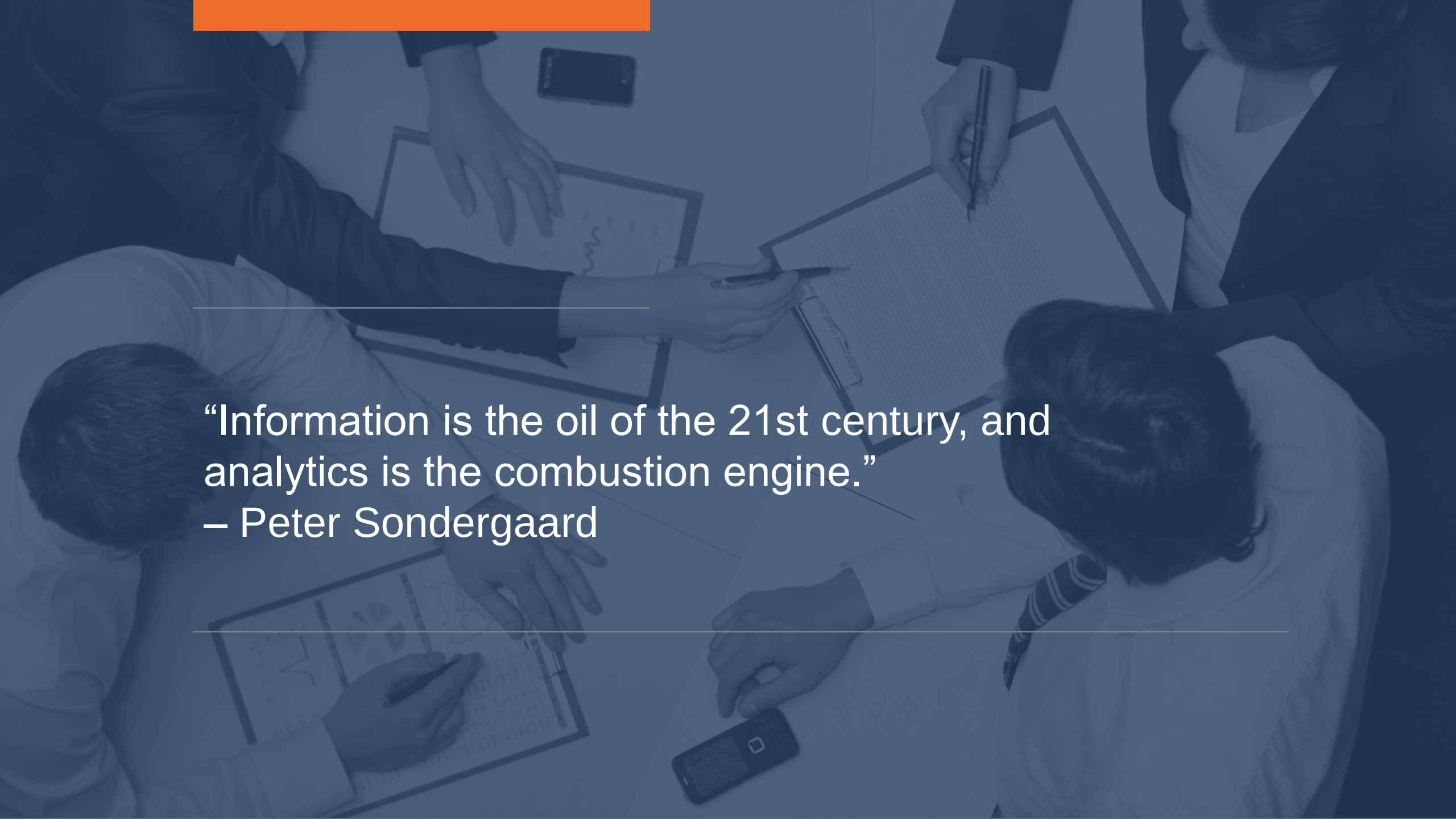
BEYOND TRADITONAL BI:

USE CASES FOR LEVERAGING ALL DATA

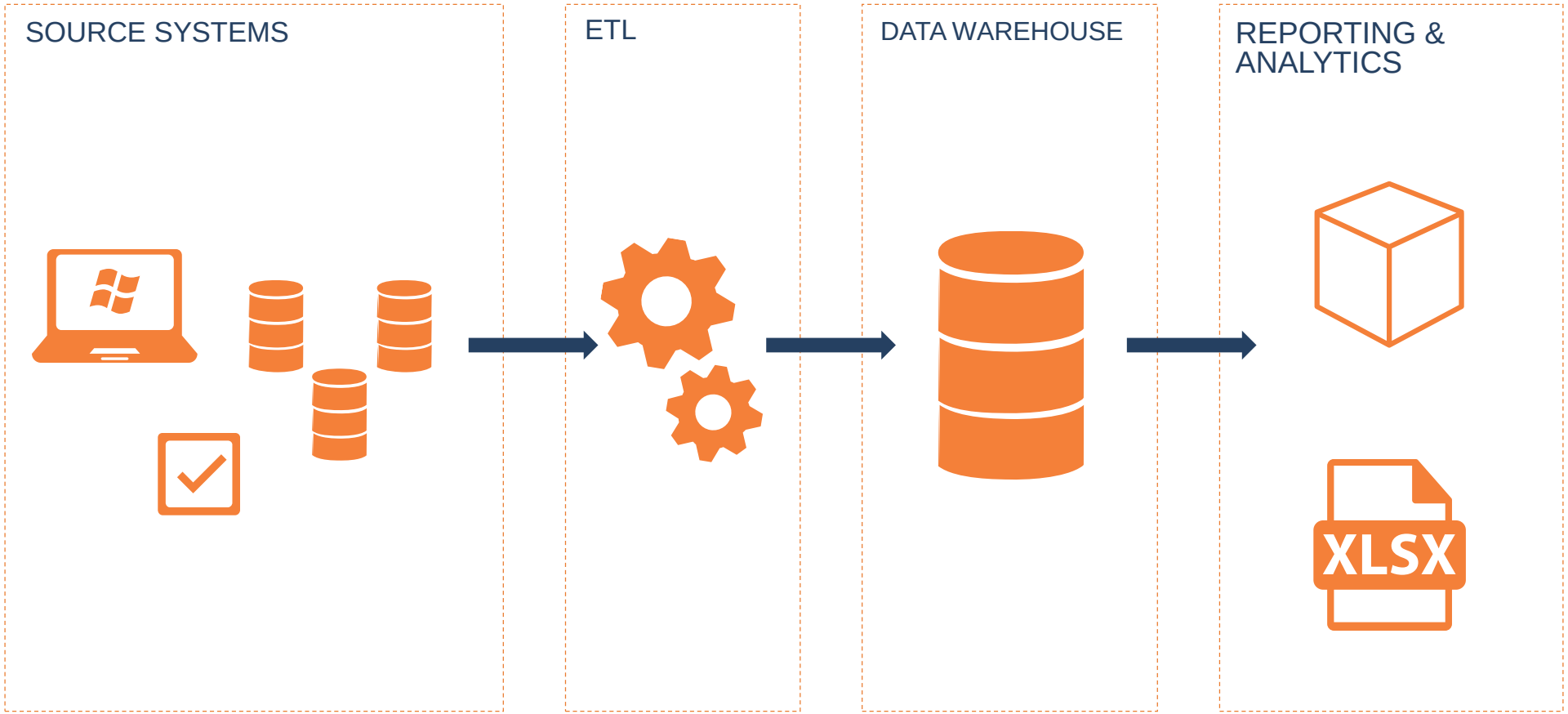


“Information is the oil of the 21st century, and analytics is the combustion engine.”
– Peter Sondergaard

THE DATA

WAREHOUSE

The workhorse of business intelligence



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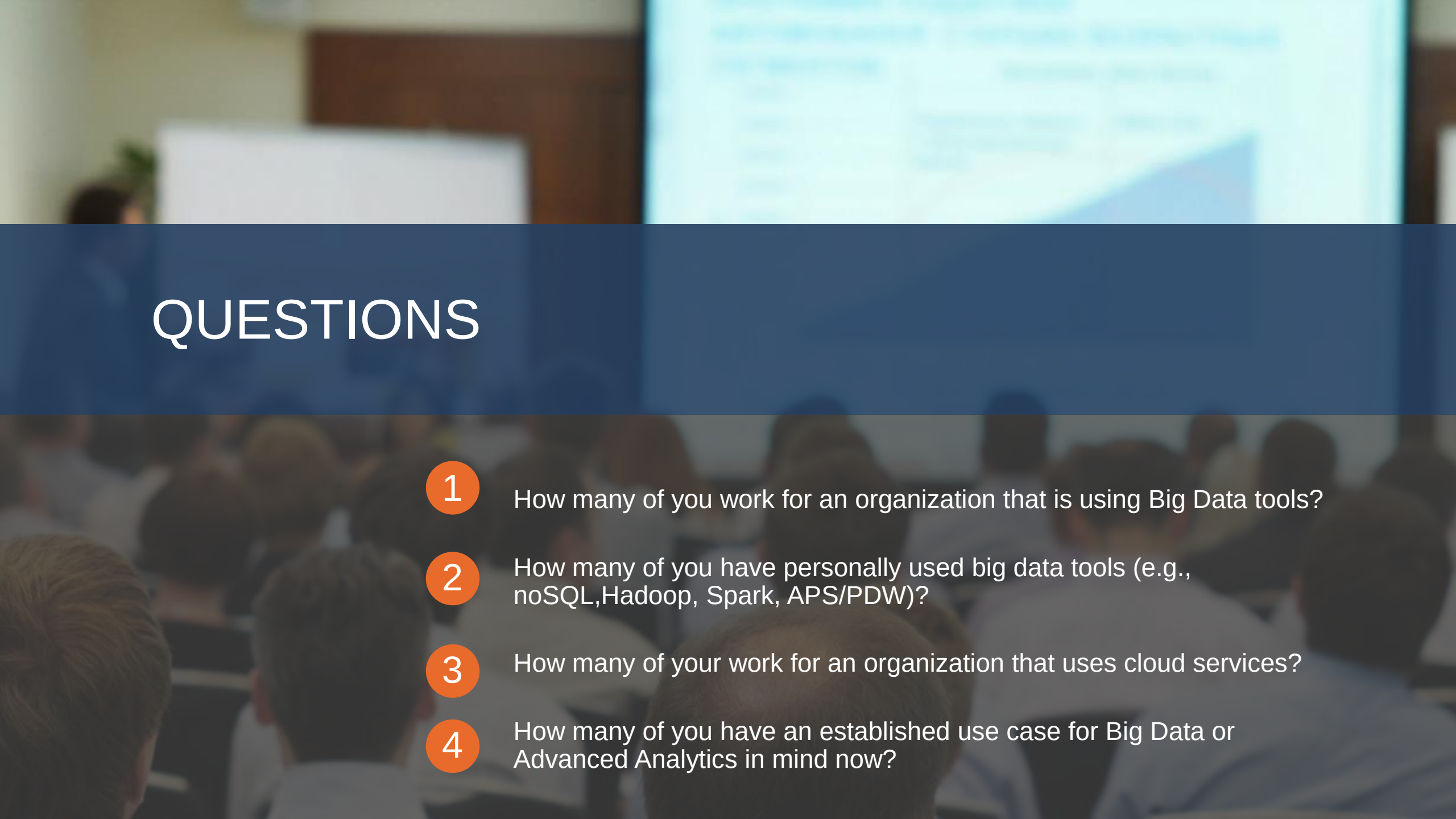


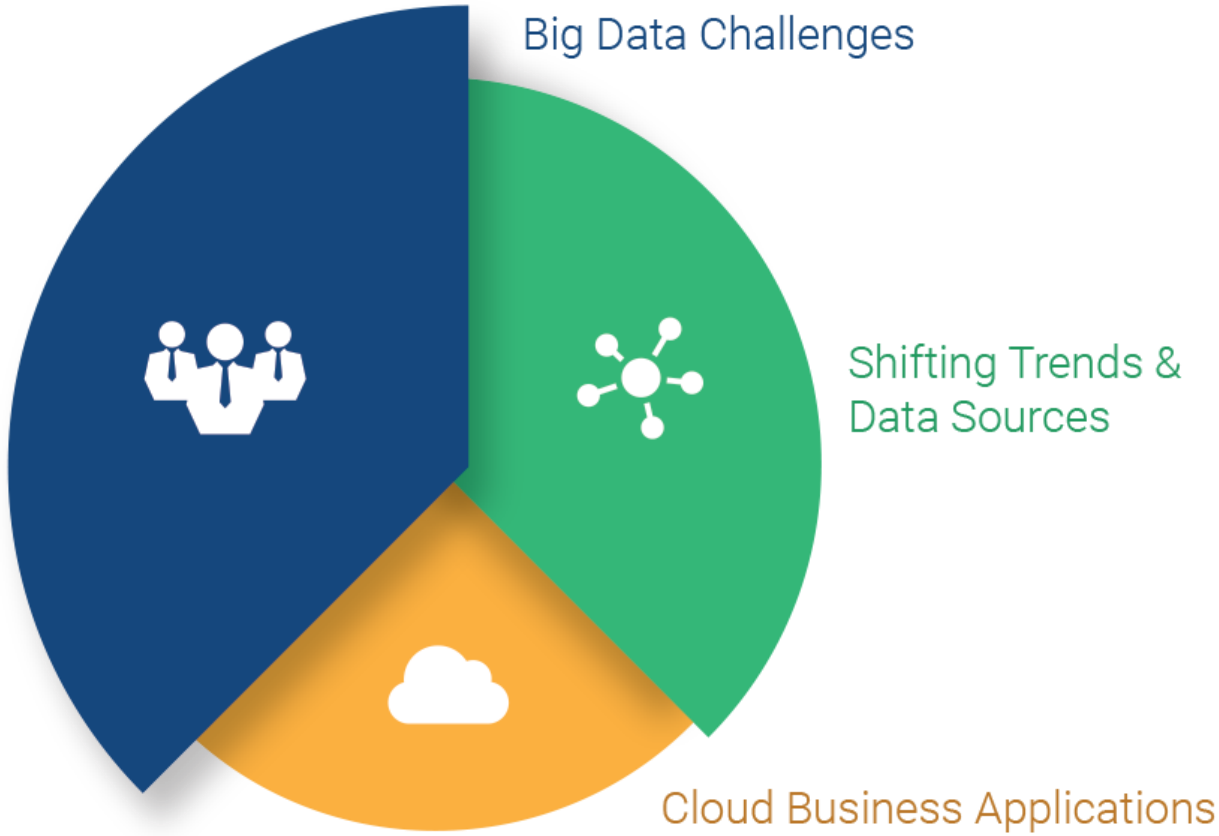
QUESTIONS

1. How many of you work for an organization that is using Big Data tools?
2. How many of you have personally used big data tools (e.g., noSQL,Hadoop, Spark, APS/PDW)?
3. How many of your work for an organization that uses cloud services?
4. How many of you have an established use case for Big Data or Advanced Analytics in mind now?

FORCES CHALLENGING THE TRADITIONAL DATA WAREHOUSE APPROACH

FORCES CHALLENGING

THE TRADITIONAL WAREHOUSE APPROACH



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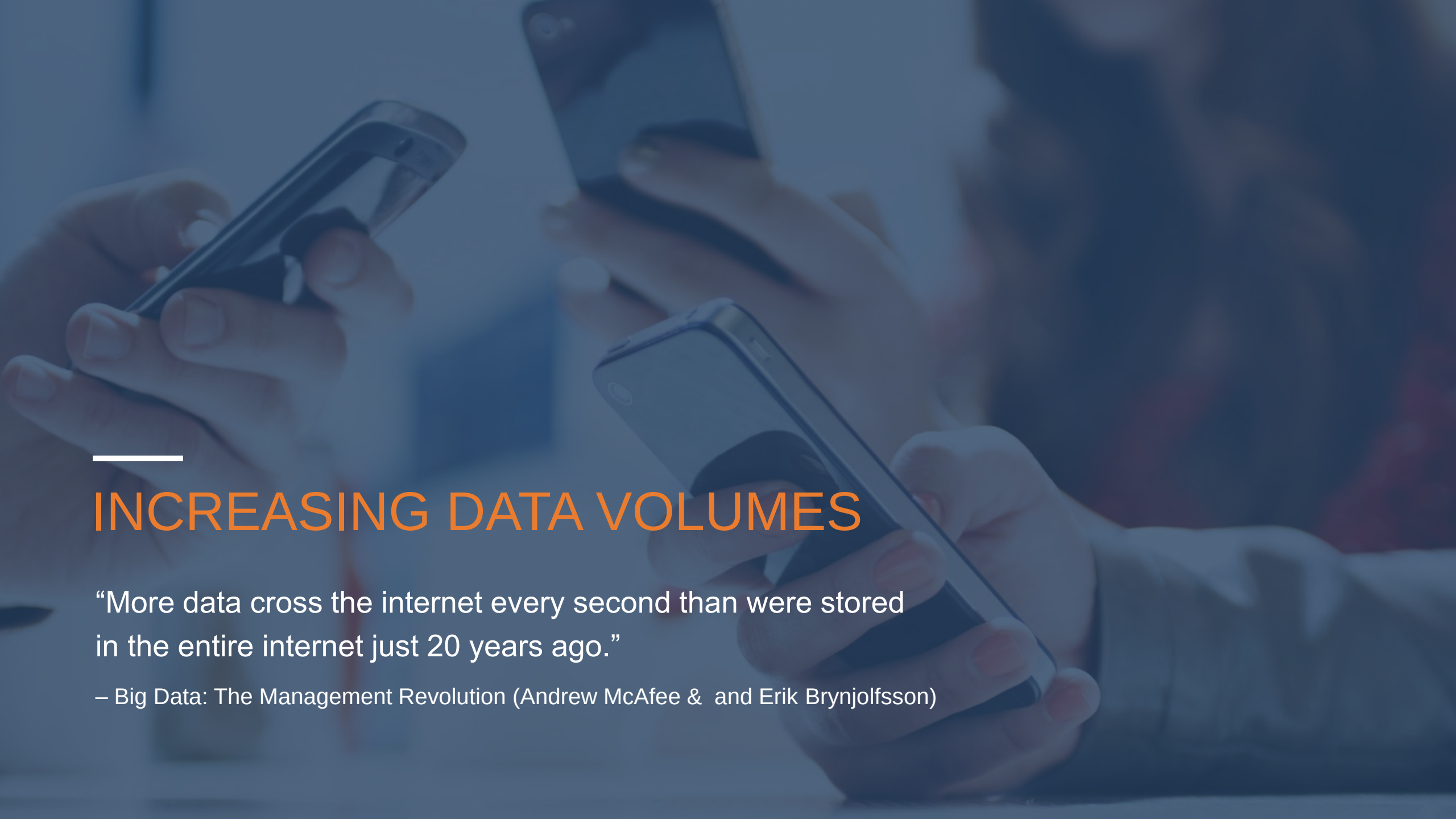

INCREASING DATA VOLUMES

“More data cross the internet every second than were stored in the entire internet just 20 years ago.”

– Big Data: The Management Revolution (Andrew McAfee & and Erik Brynjolfsson)

House of Cards and Big Data

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Advanced Analytics

It’s All Around Us

Sales Forecasts

Cost of Repairs

Sports Draft

Successful Life

THE BIG V'S

OF BIG DATA

There has been a number of industry trends that have driven the need for and the adoption of Big Data:

Volume	Velocity	Variety
➢ Most companies in the U.S have at least 100Tb of data ➢ Chronically ill patients w drive more then 3 Tb of data each ye	➢ Applications with millions of users can drive bi ons of e ents ➢ The a era in modern car has over a thousand sensors	➢ Web service calls typically deliver da in JSON and XML formats ➢ Billions of video and phone calls recorded daily

VALUE

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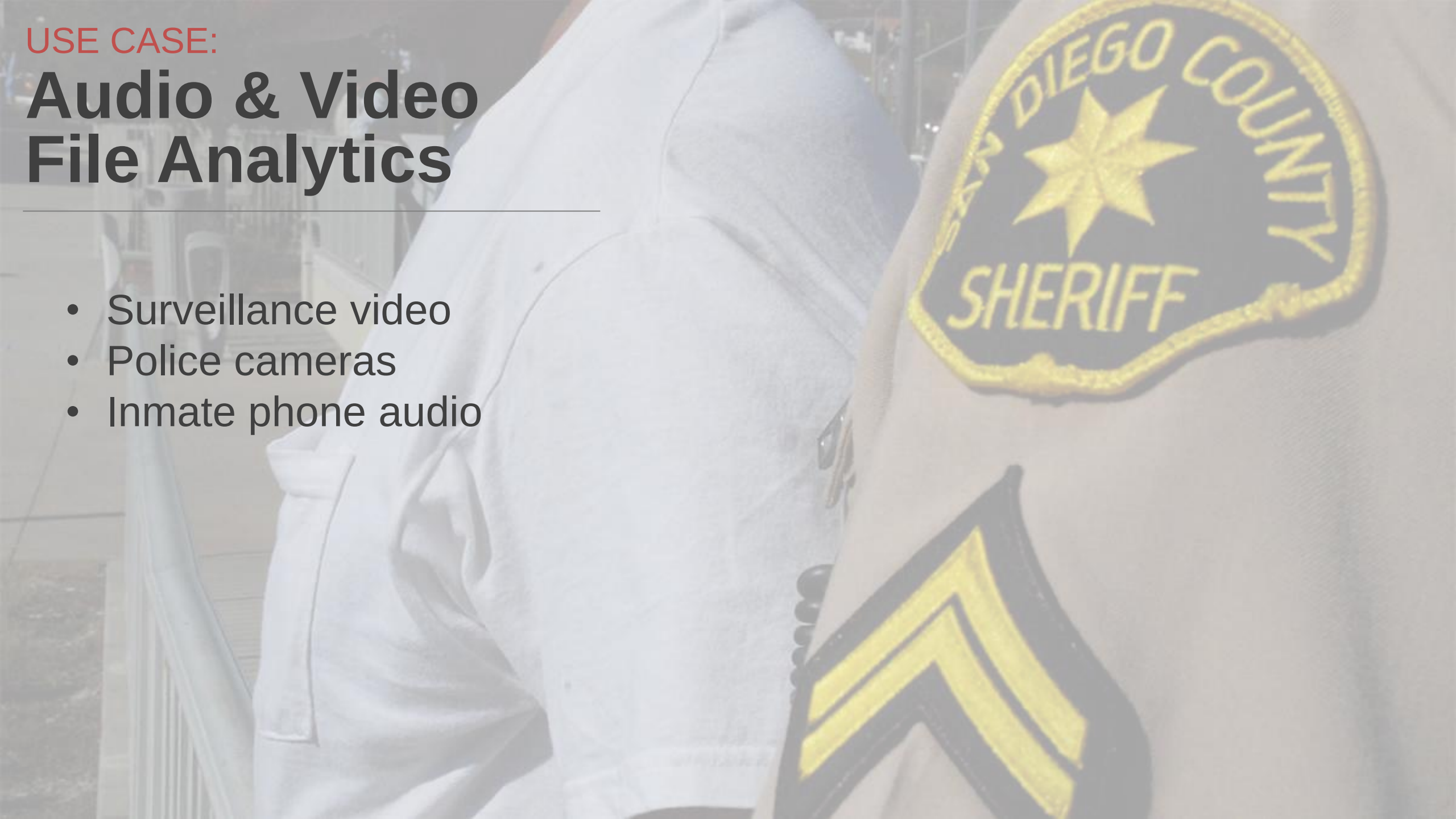
USE CASE:

Audio & Video File Analytics

- Surveillance video
- Police cameras
- Inmate phone audio

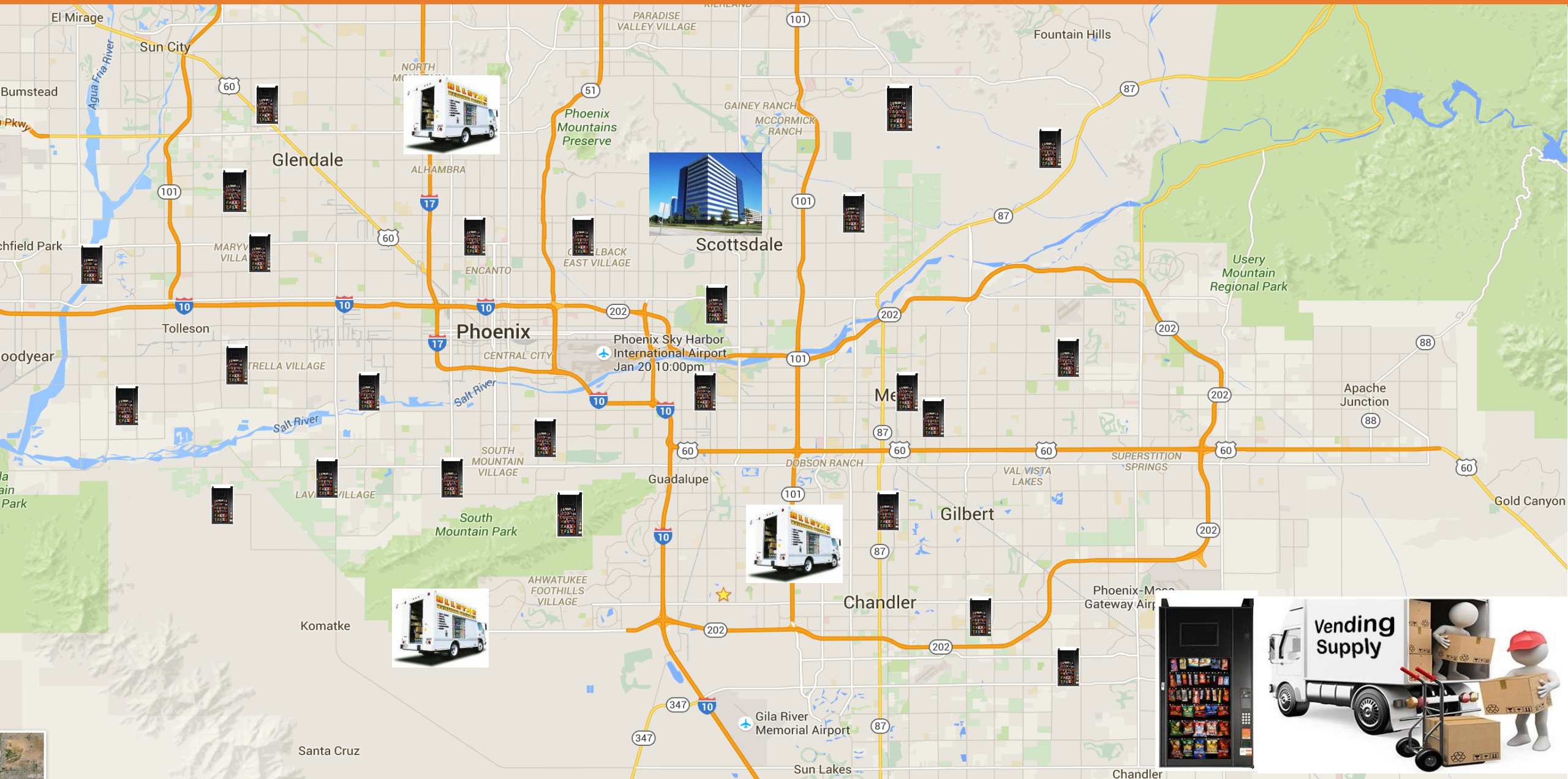


USE CASE:

Population Health Management

- Patient care data
  - Weight
  - Blood pressure
  - Blood glucose
  - Blood tests
  - EKG
- Doctor’s notes
- Healthcare wearables
- Connected at home scale

USE CASE: SUPPLY CHAIN MANAGEMENT



USE CASE:

360 DEGREE CUSTOMER VIEW

Customer Information from many sources

- CRM
- Point of Sales (POS)
- Customer Support
- Social media (Twitter, Facebook, etc.)
- Customer behavior and interactions

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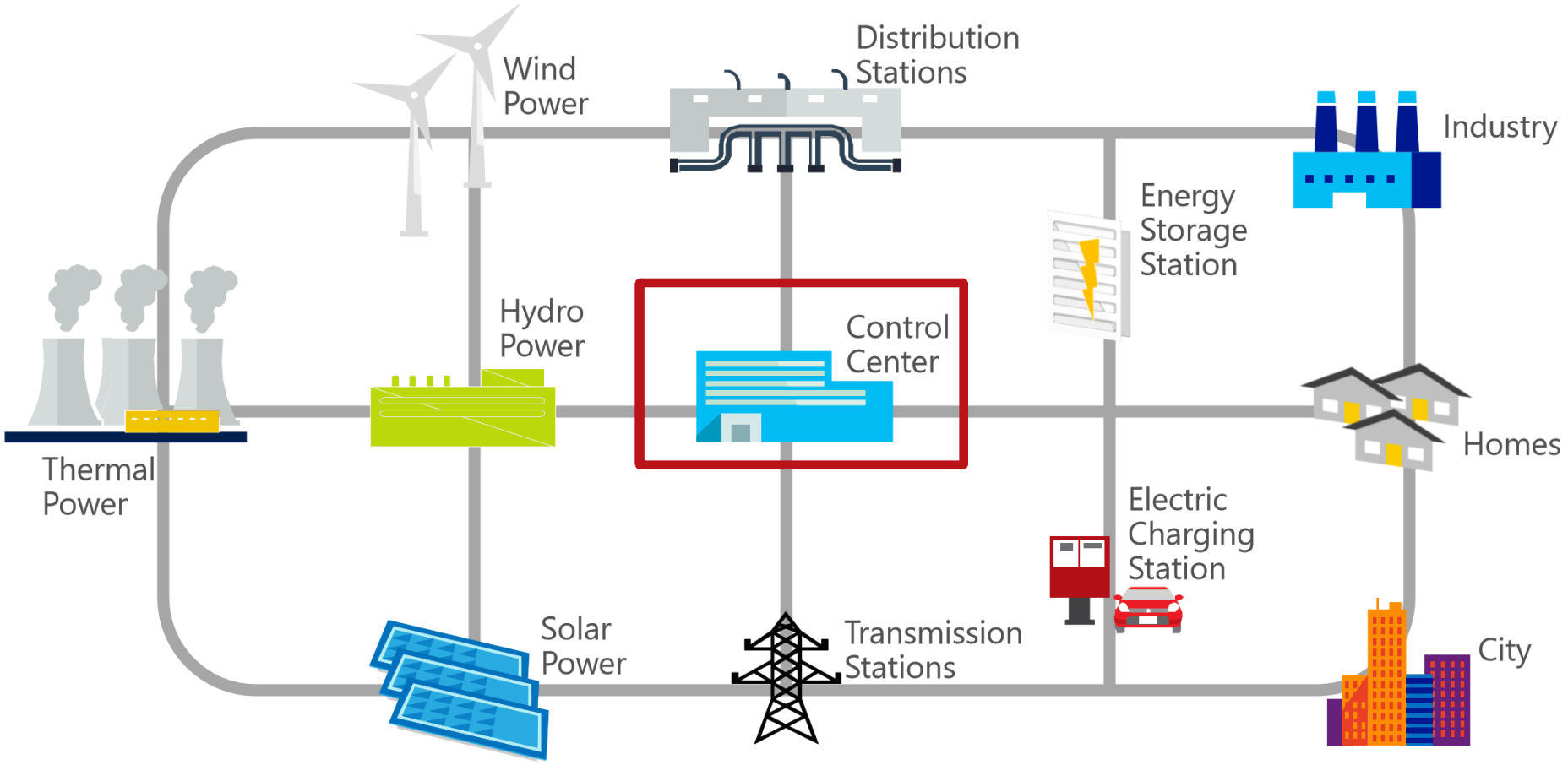
USE CASE:

SMART GRID MANAGEMENT



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Next Day Utility Usage Forecasting

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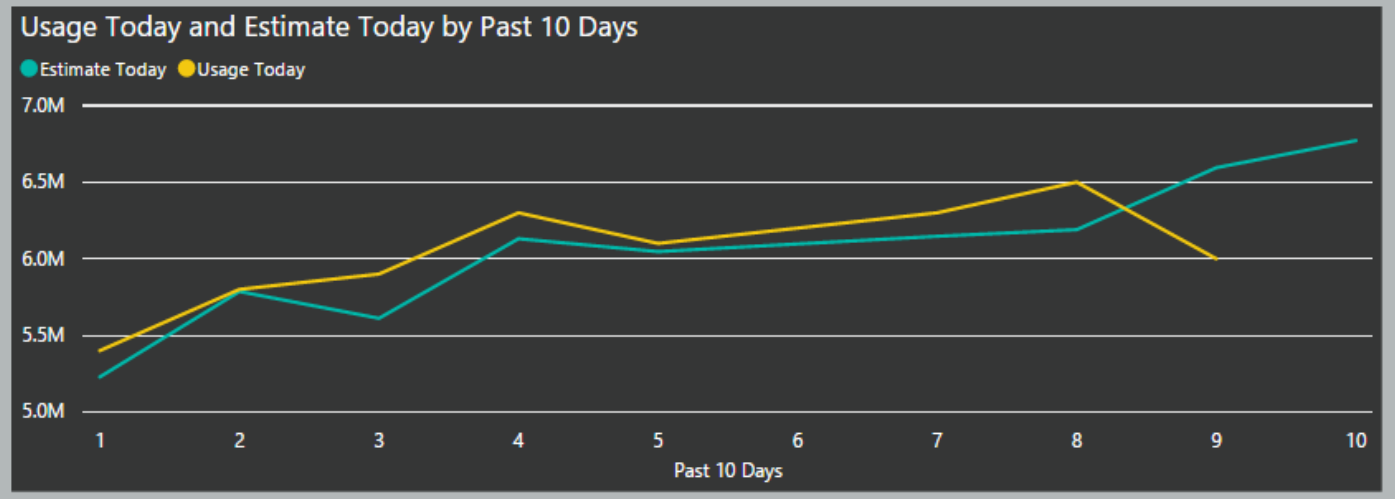
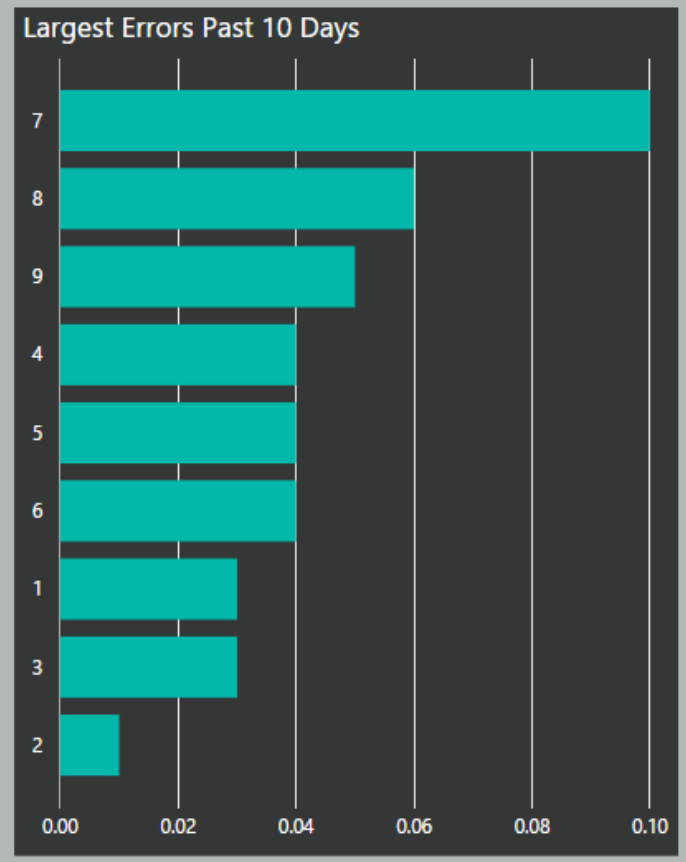
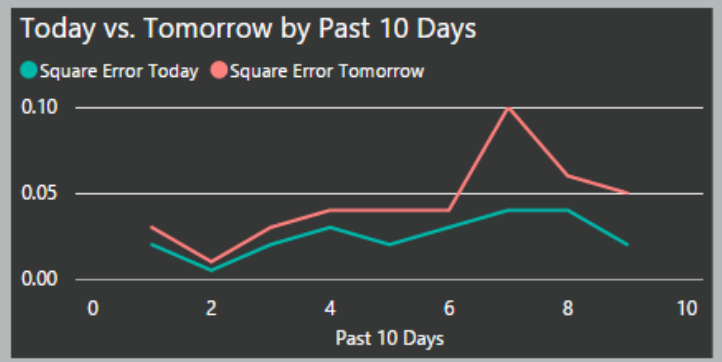
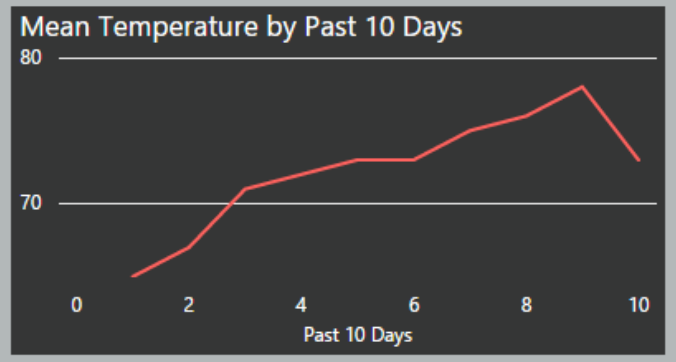
Use this dashboard to check for today and tomorrows utility usage predictions. Make sure to identify prediction risk with the past 10 day error trends.

Tomorrow Estimate	10 Day Average	10 Day Error Rate	Yesterday's Error
6.75M	6.11M	0.04	0.05









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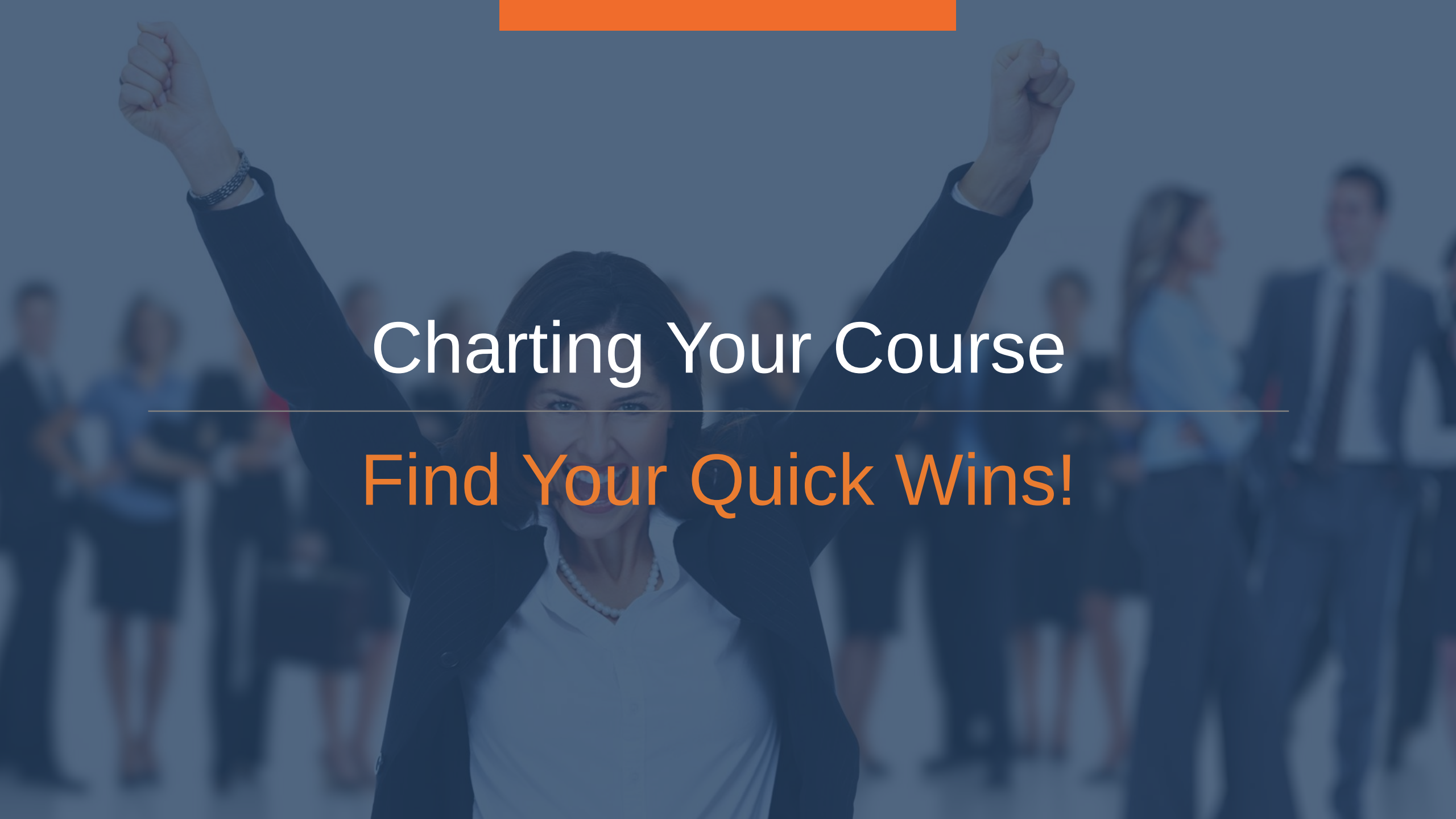
USE CASE:

REAL TIME TRAFFIC ANALYSIS



Charting Your Course

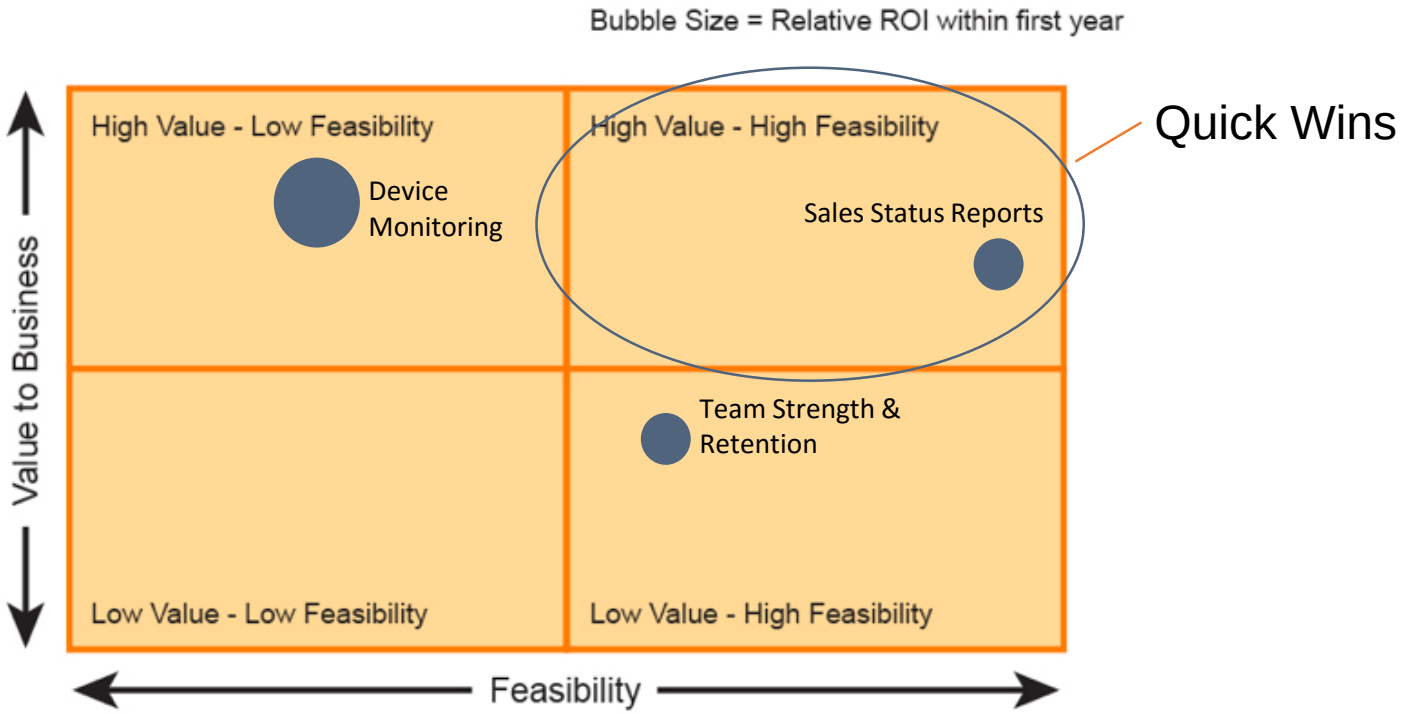
Find Your Quick Wins!

ROI SHOULD DRIVE YOUR NEXT STEP

- Do you have a data driven culture?
- User adoption must be a focus.
- Utilize Neudesic's "ROI Focused Development Approach."

FIND YOUR

QUICK WINS



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DISCOVER

YOUR DATA'S POTENTIAL

Conduct a 1-2 hour workshop with business stakeholders to identify opportunities to adopt Big Data and Advanced Analytics solutions:

- Joint Strategy session
- Identify various Big Data solution design patterns
- Brainstorm Big Data and Advanced Analytics uses cases
- Discuss opportunities for PoCs and PoTs

NEXT STEP

BECOME THE DATA & ANALYTICS SUPERHERO

- ✓ Information Management
- ✓ Big Data Storage
- ✓ Apache Hadoop
- ✓ Real-time intelligence
- ✓ Machine learning
- ✓ IoT
- ✓ Dashboards and Visualizations
- ✓ and more!

Ideate, chart your “quick wins,” ask questions and get answers to your real Big Data challenges.
It’s insightful, it’s easy and can be done from the comfort of your conference room

www.neudesic.com/meetneat

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BIG DATA

& Advanced Analytics Roadshow

Questions?

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