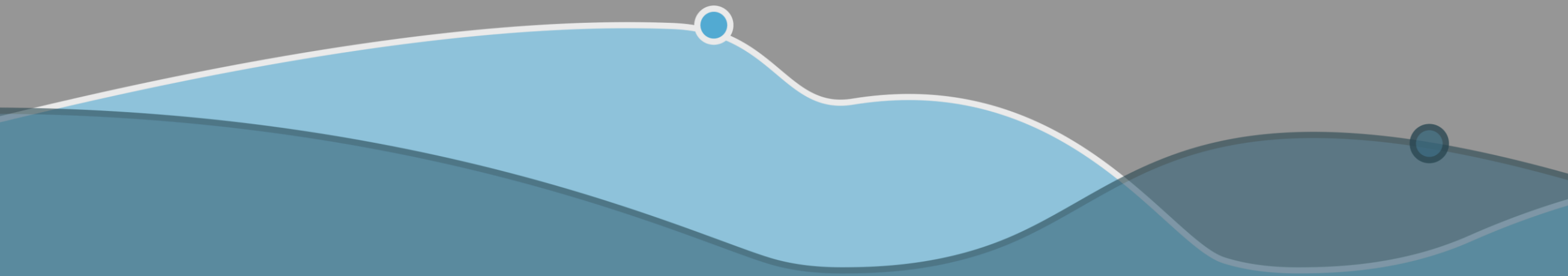




Cortana Analytics Workshop

Sept 10 – 11, 2015 • MSCC



Building Next-Generation Smart Grids

Yijing Chen (Data Scientist, Microsoft)

Davide Roverso (Chief Analytics Officer, eSmart Systems)

Agenda

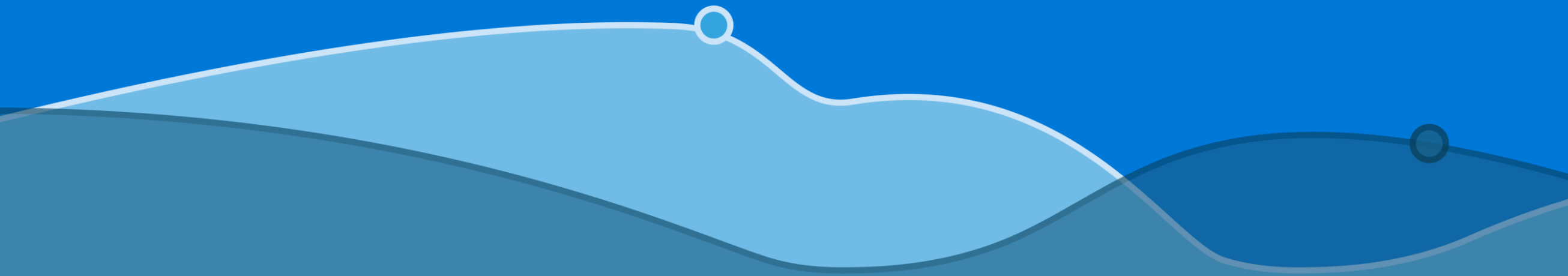
1. Introduction

2. Cortana Analytics Suite Demo
Energy Demand Forecasting

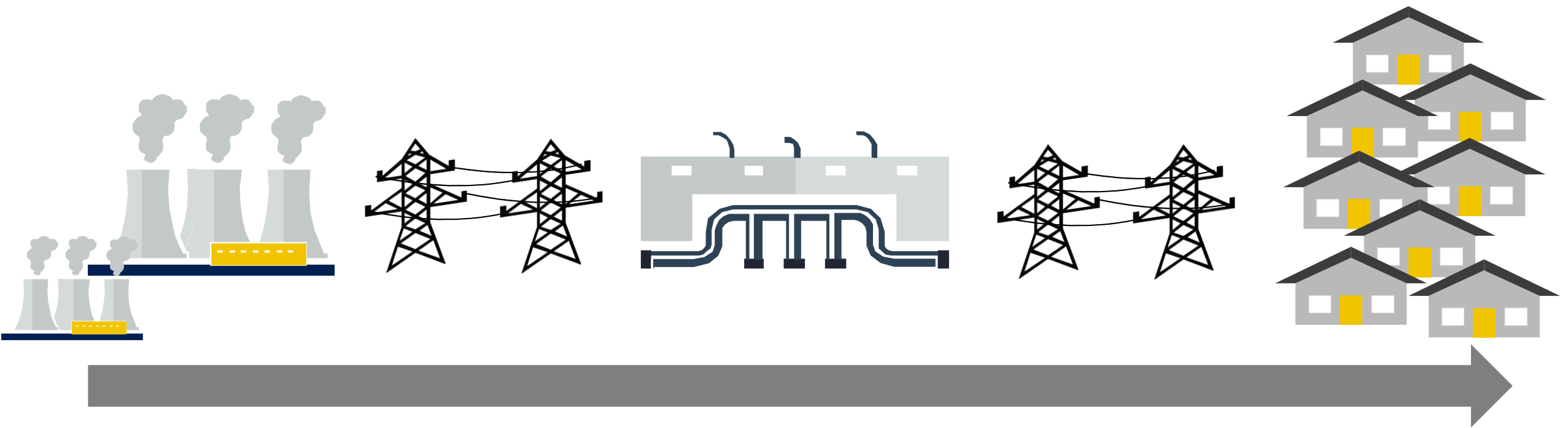
3. Customer Story
eSmart Systems

4. Q&A

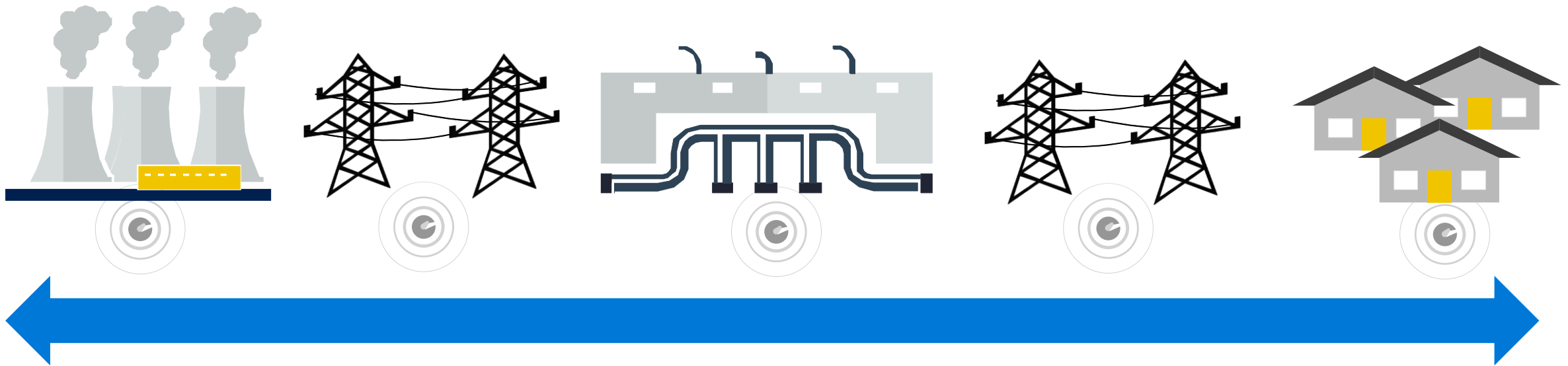
Introduction



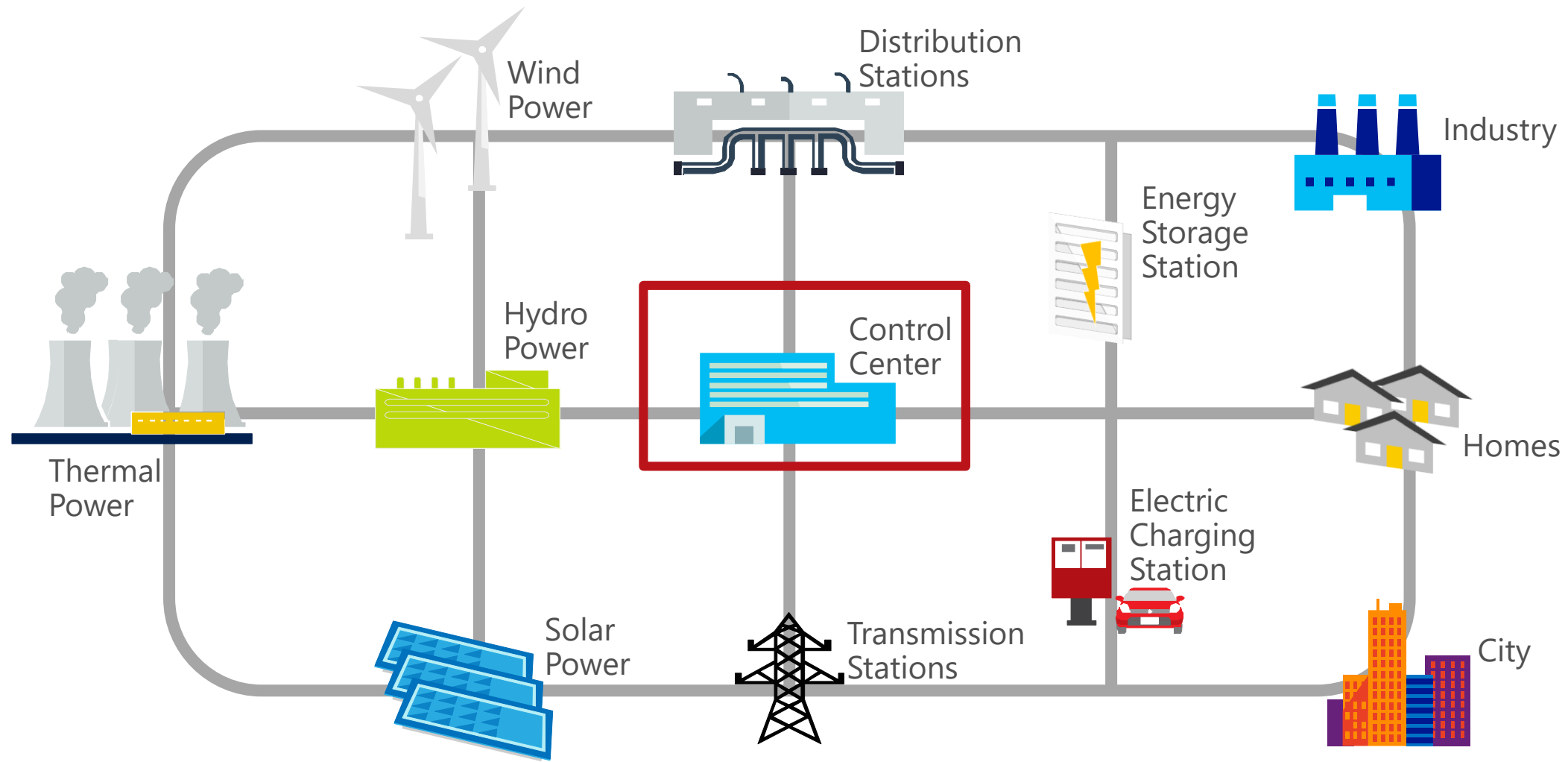
Traditional Grid



Smart Grid



Smart Grid



Smart Grid Use Cases

Predictive Maintenance



Demand Forecasting



Grid Optimization



Theft Prevention



Demand Response



Customer Profiling

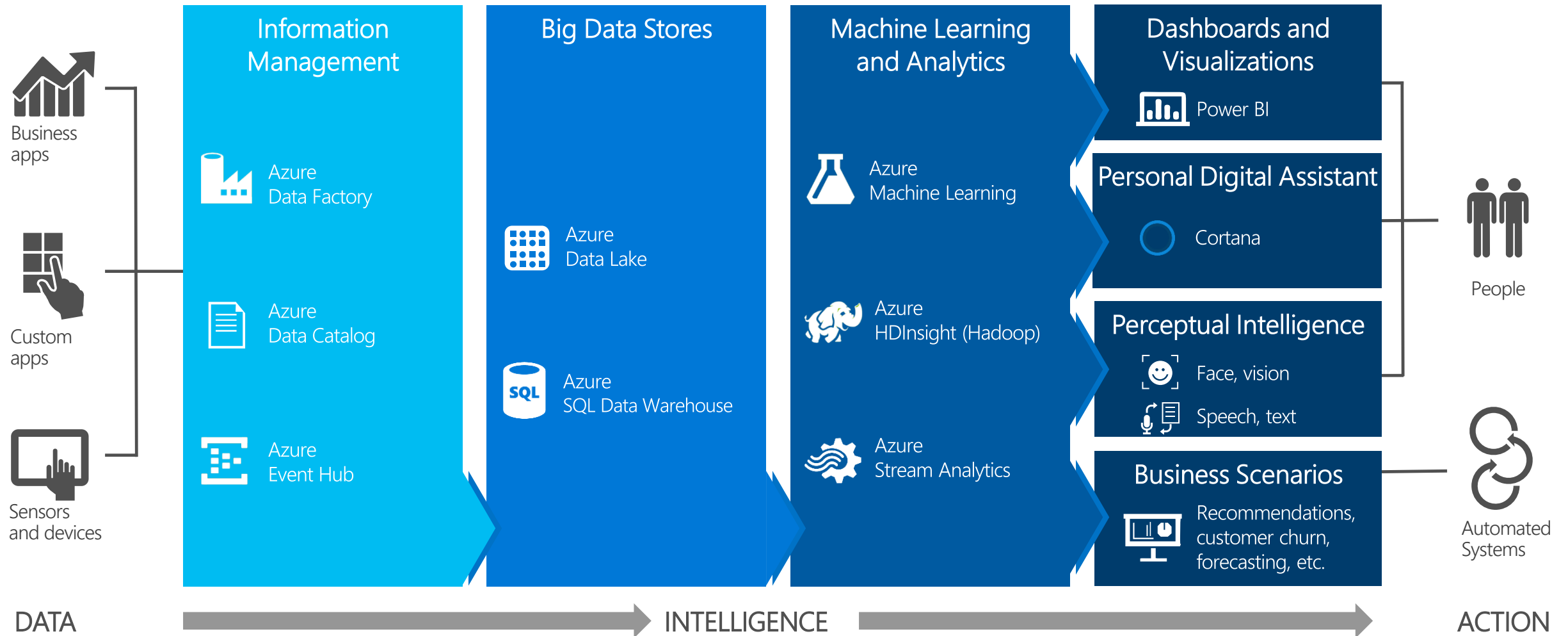


What makes the smart grid smarter?
Advanced Analytics

Cortana Analytics is a fully managed big data and advanced analytics suite that enables you to transform your data into intelligent action.

Cortana Analytics Suite

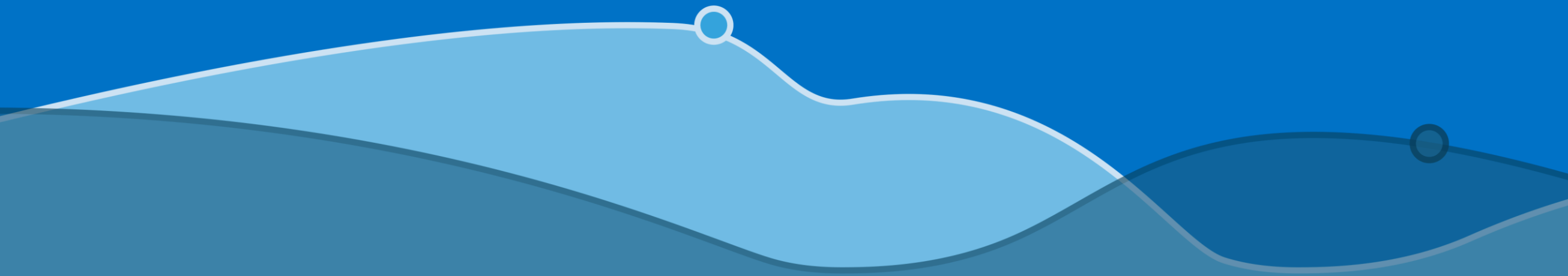
Transform data into intelligent action



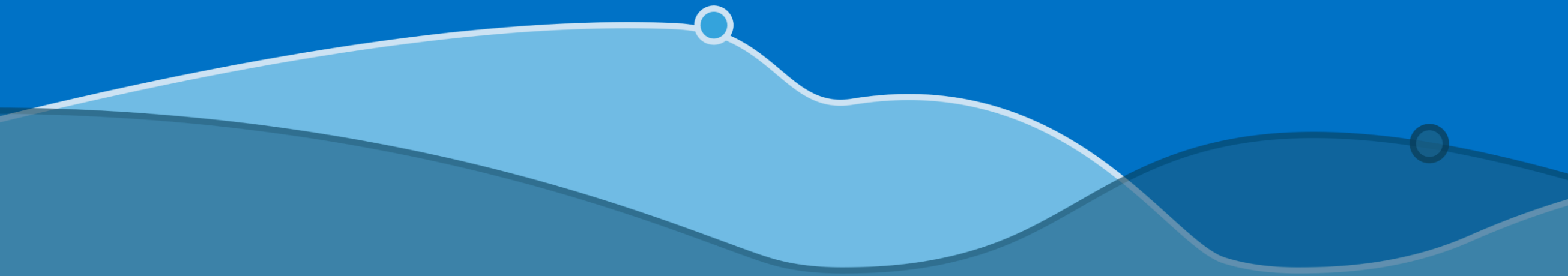
Demo

Cortana Analytics Suite Demo - Energy Demand Forecasting

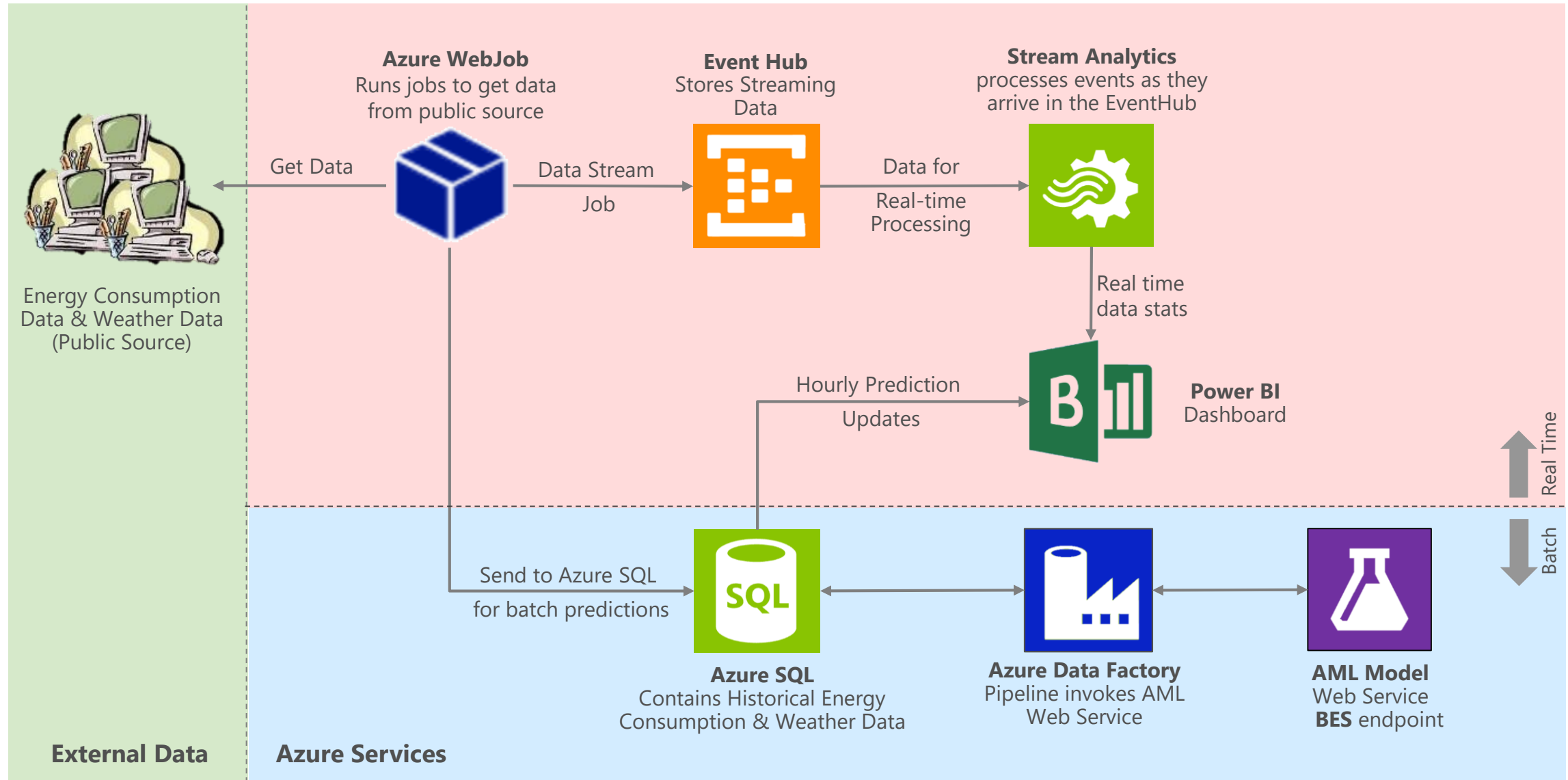
Yijing Chen



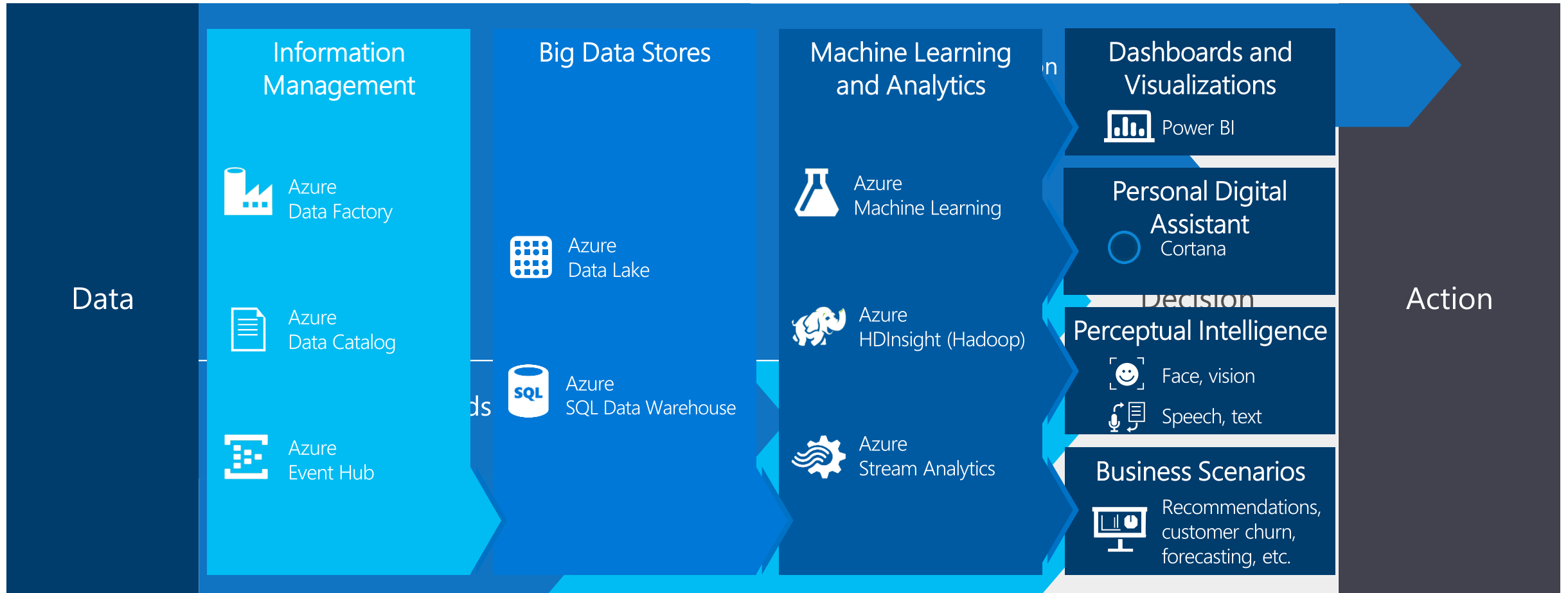
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Architecture



From data to decisions and actions

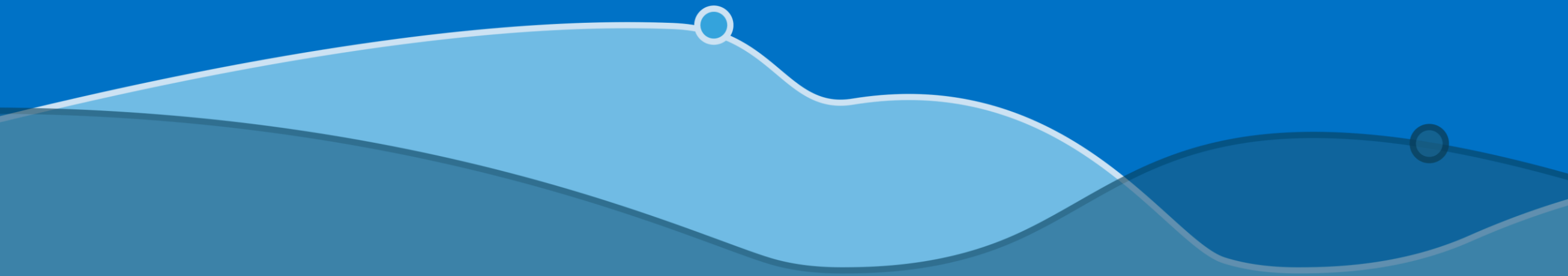


Value

Customer Story

eSmart Systems

Davide Roverso



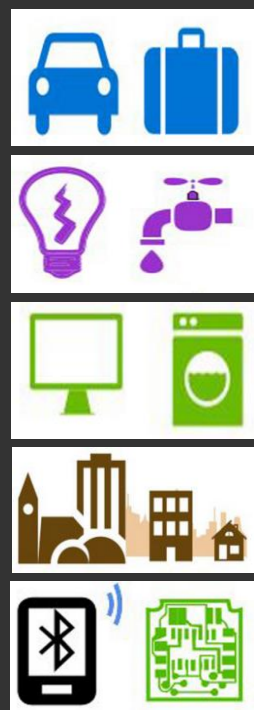


IoT

Big Data

Real Time Analytics

Visualization

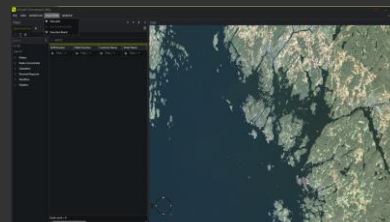
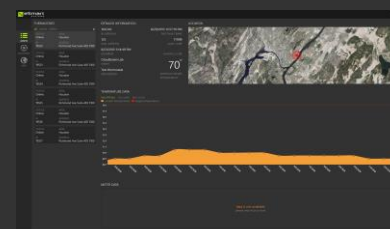
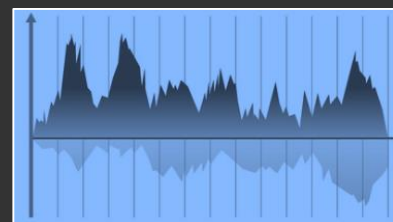
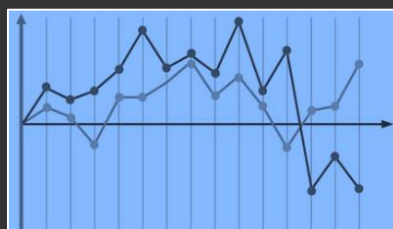


Volume

Velocity

Variety

Veracity



Turning Big Data into Value

The “datafication” of the world gives us unprecedented amounts of data.

The latest technology together with the latest software and analysis approaches allow us to leverage all types of data to add value.

The
Connected
Grid

Demo





Action

Q & A

