



THE DATA DELUGE

INSIDE STORY OF DIGITAL TRANSFORMATION DRIVEN BY DATA

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AGENDA

DEFINITIONS

THE DATA DELUGE

UNDERSTAND WHYS AND WHATS

TECH INVOLVED

CLOSING

SO MANY DEFINITIONS

DIGITAL TRANSFORMATION

Integration of digital technology into all business functions, resulting in fundamental changes to how businesses operate and deliver value to customers

SO MANY TECHNOLOGIES

Top technologies that are enabling digital transformation across size and shape of businesses



IOT



CLOUD



AI/ML



BIG DATA



CX



ROBOTICS

ROLE OF DATA

Data monetization is powering digital transformation stories in a big way



IOT



CLOUD



AI/ML



BIG DATA

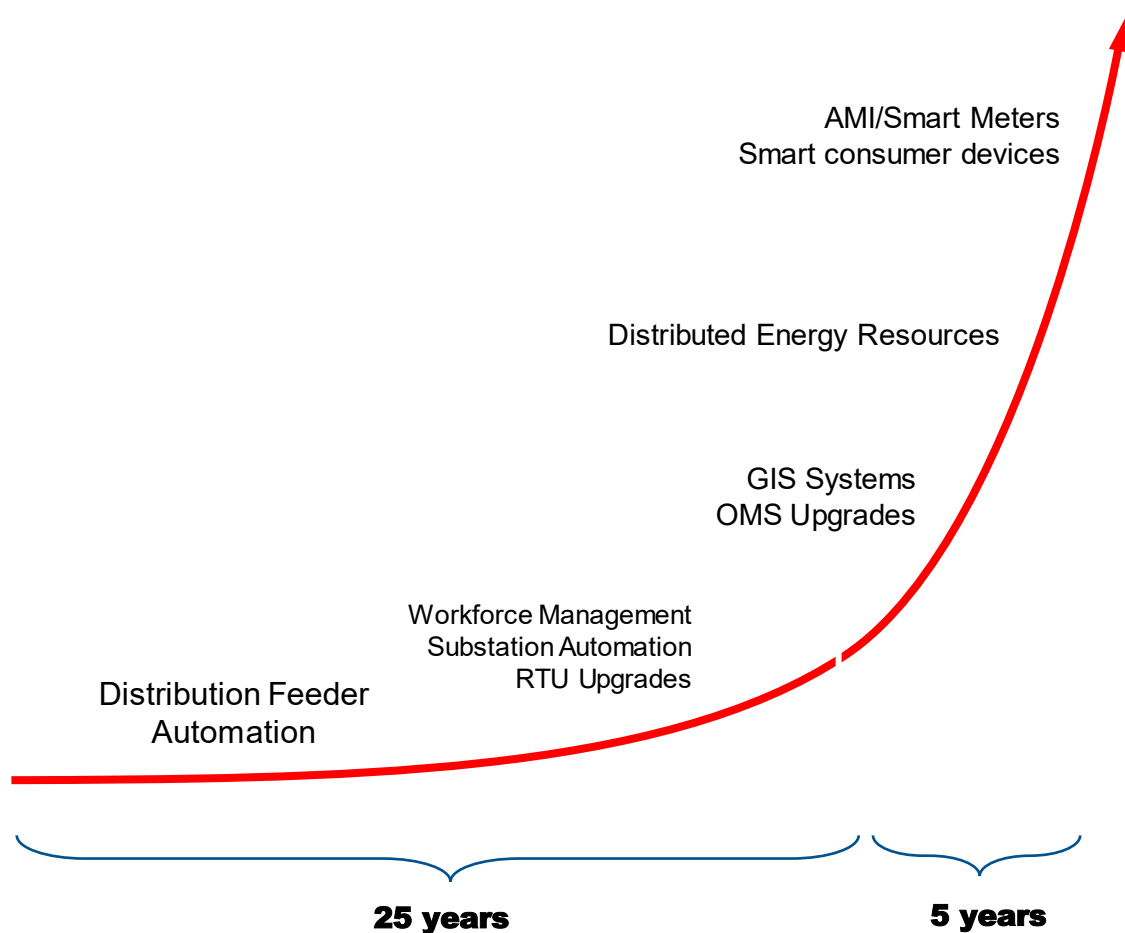


CX



ROBOTICS

THE CASE OF A POWER UTILITY



The Data Deluge

Only a fraction of the generated data is monetised to drive business performance or customer experience



REASONS: AN INSIDER STORY



EVOLUTION OF EDGE TECHNOLOGIES

EVs, IoT, Solar PVs,
Smart Meters



ASPIRATIONAL CONSUMERS

A willing and mobile
savvy consumer



UTILITIES BUSINESS

Struggling utilities
trying to find new
business models

WHAT WAS DONE?



ELECTRIC VEHICLE DETECTION

EVs detection is important to drive critical processes and drive customer communication



STORM DAMAGE PREDICTION

Efficient deployment of teams to prevent outages



LOAD AND DER FORECASTS

Weather and location based models, long term forecasts

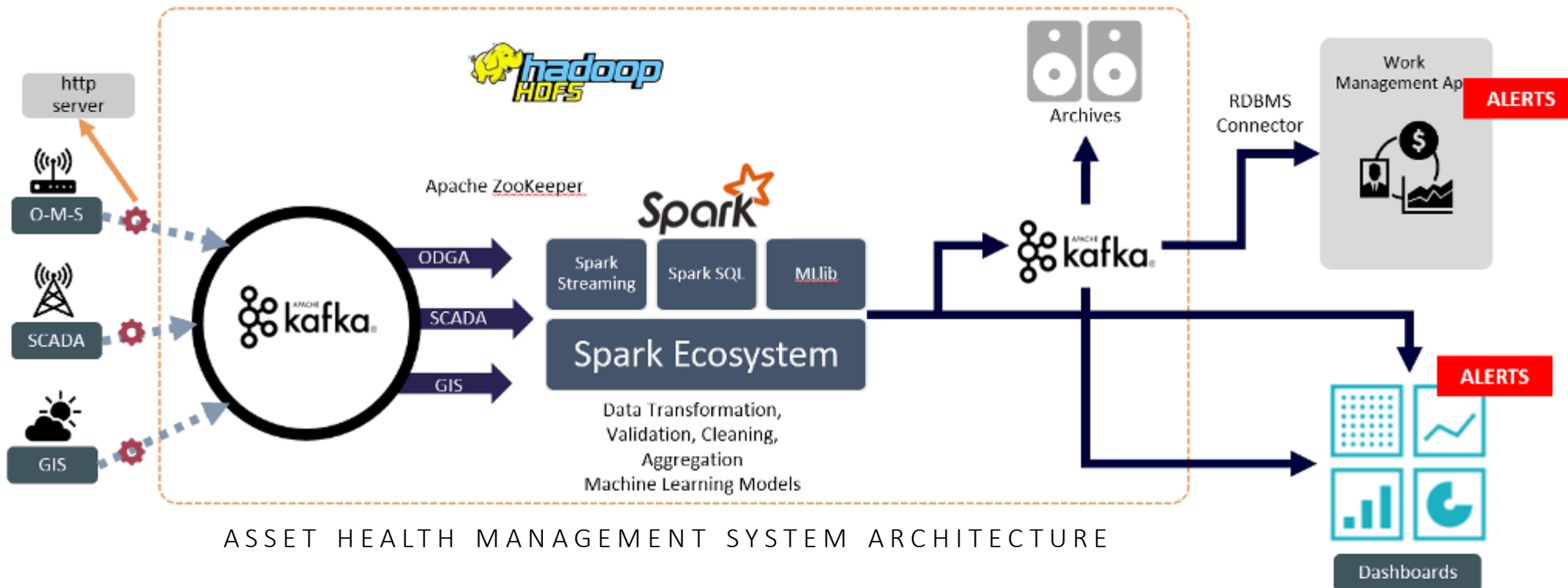


HOW WAS IT DONE?

BY LEVERAGING DATA

- To train machine learning algorithms
- To create and mature forecasting models
- To generate insights about Consumers
- To drive drones for field surveys
- To provide operational insights to business operators

A TYPICAL BIG DATA PROCESSING ARCHITECTURE



SOFTWARE TECHNOLOGIES ARE EVOLVING AND ARE BECOMING MORE AND MORE SOPHISTICATED AS WE SPEAK. IDEAL SOLUTION FOR AN ENTERPRISE MAY BE A COMBINATION OF TECH FRAMEWORKS DEPENDING ON THE ACTUAL NEED.

TECHNOLOGY

THANK YOU

