IDT EXPO

TAKING RISK TO THE EDGE

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Dynamic Risk

The Past – System Silos

ILI Processing

One Call data

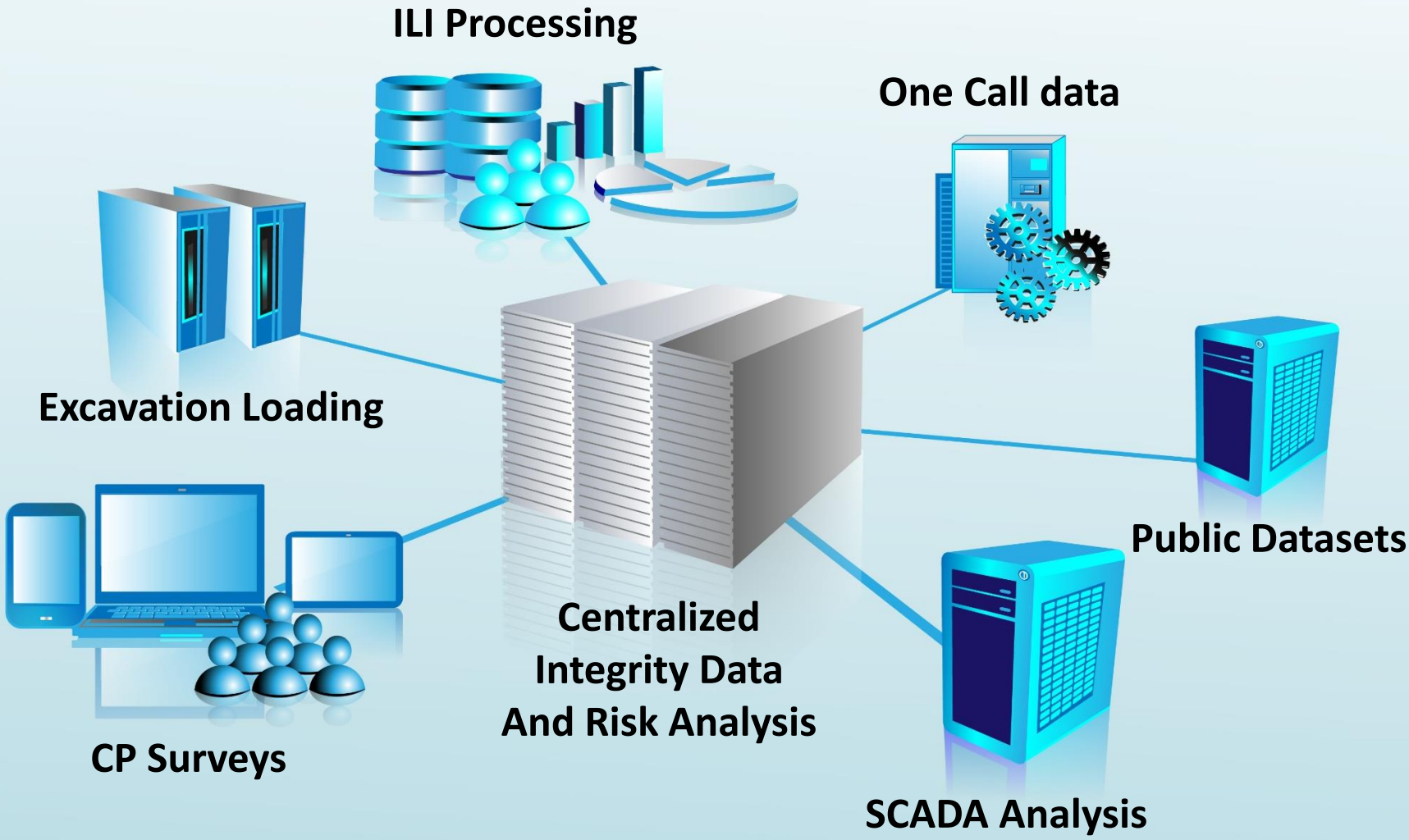
Excavation Loading

Public Datasets

CP Surveys

SCADA Analysis

The Present – Centralized Systems and Data



The Present – Centralized Systems and Data

Benefits

- **All the data is merged and connected**
- **All users looking at the same data**
- **All the relevant data can be overlayed and analyzed**

  (ie: related to a point on a pipeline or specific event)

Benefit – Integrated Analytics

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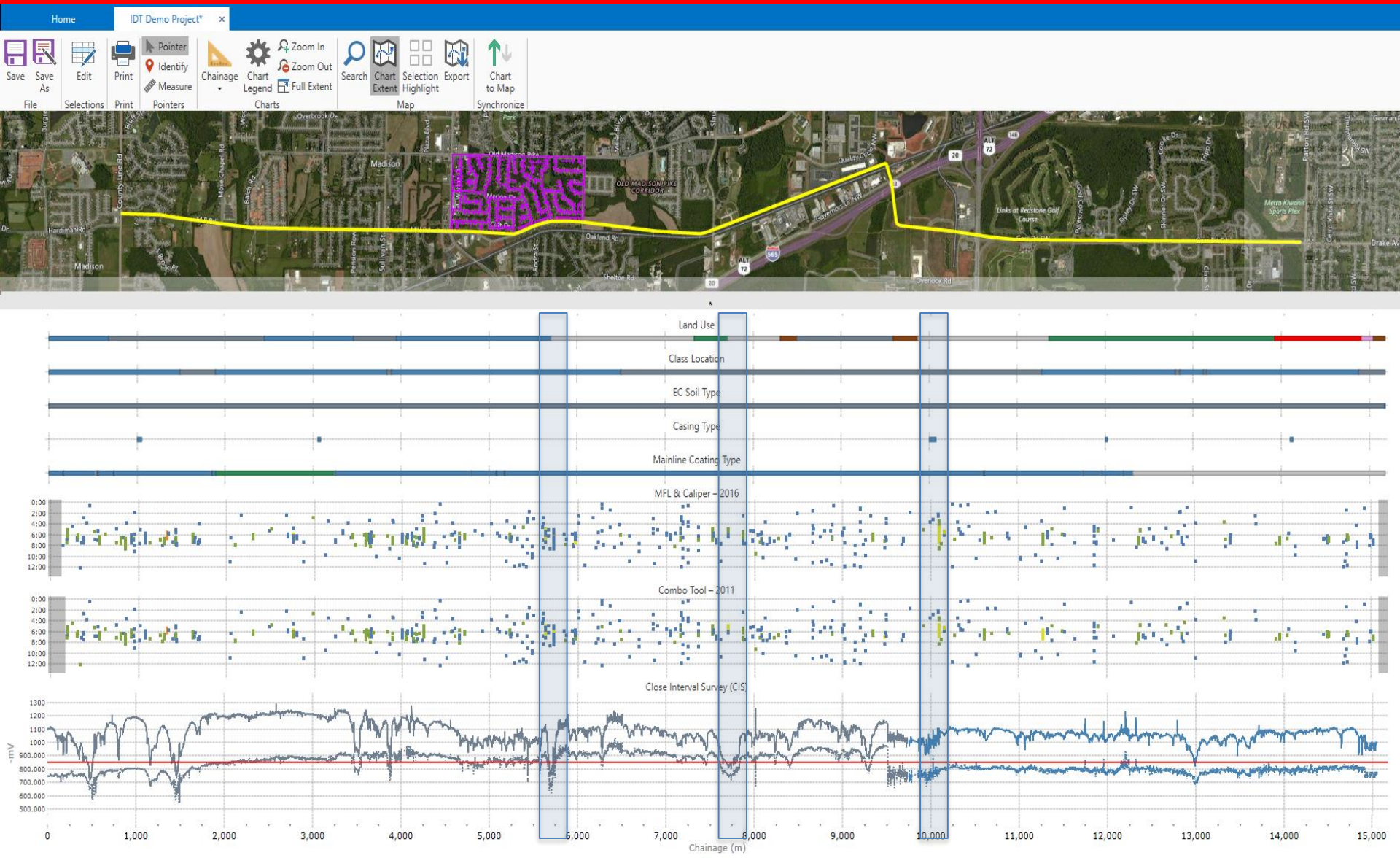
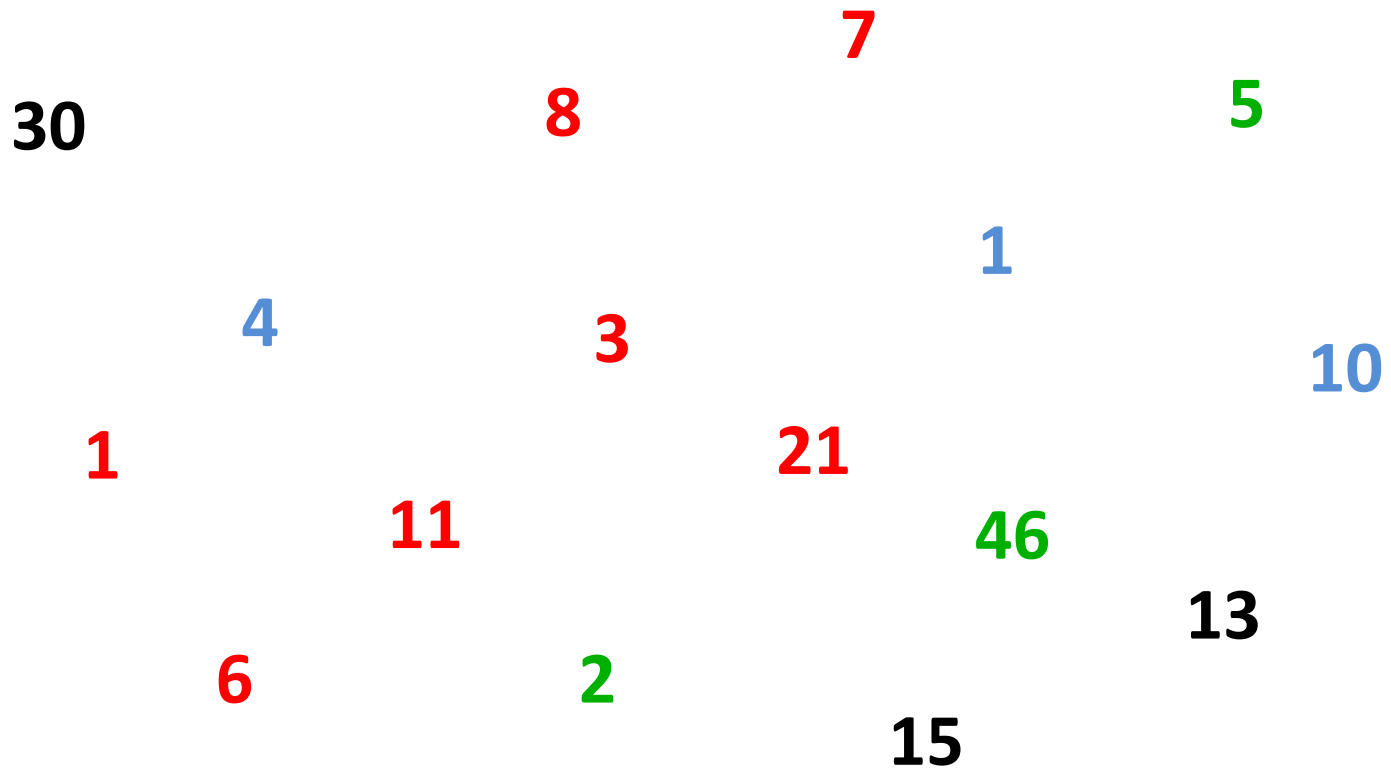


Benefit – Integrated Analytics



Disconnected data from various sources could be important if you use the right analytics…

Benefit – Integrated Analytics

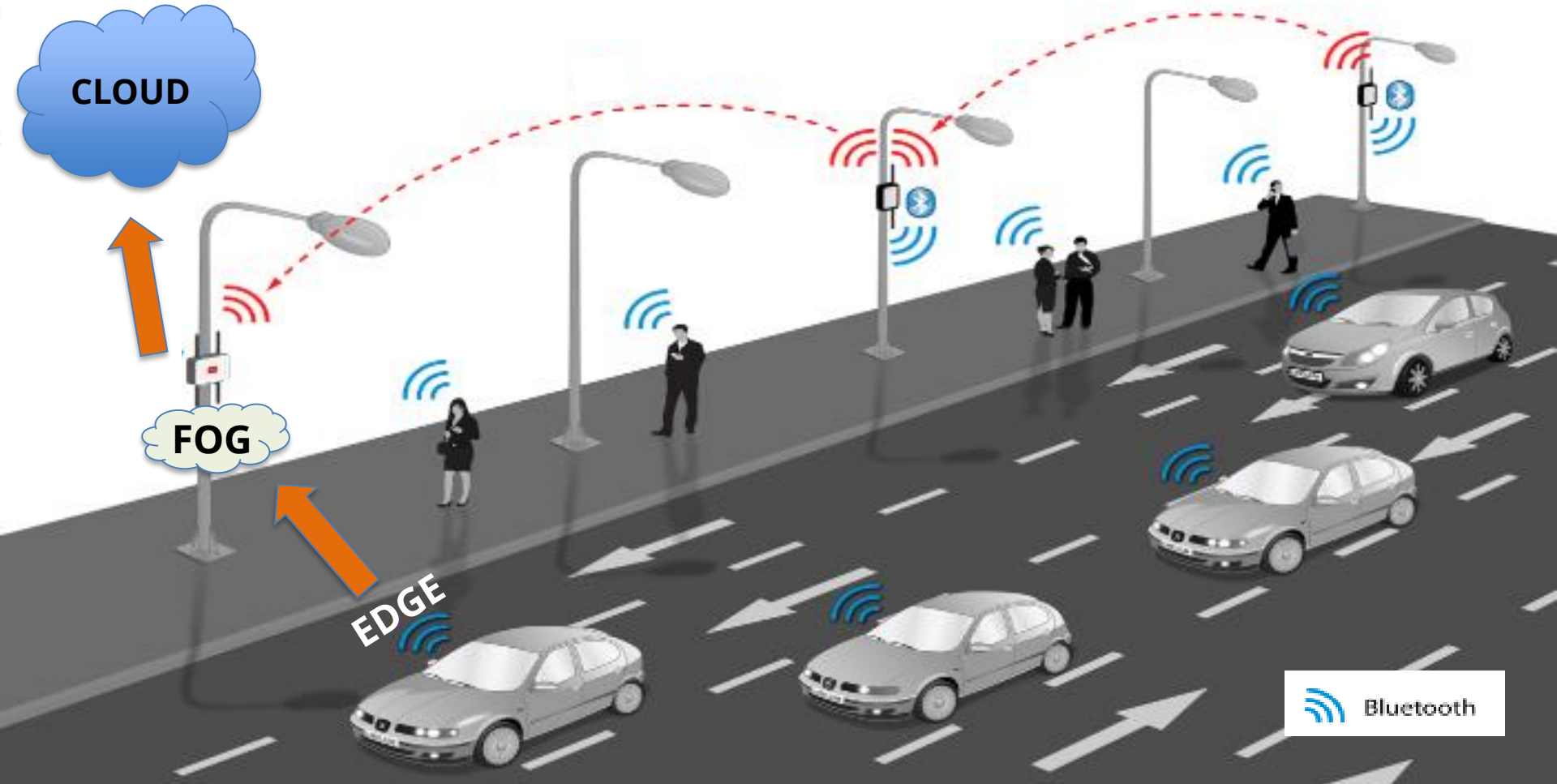
1 1 2 3 5 8 13 21

Fibonacci Sequence

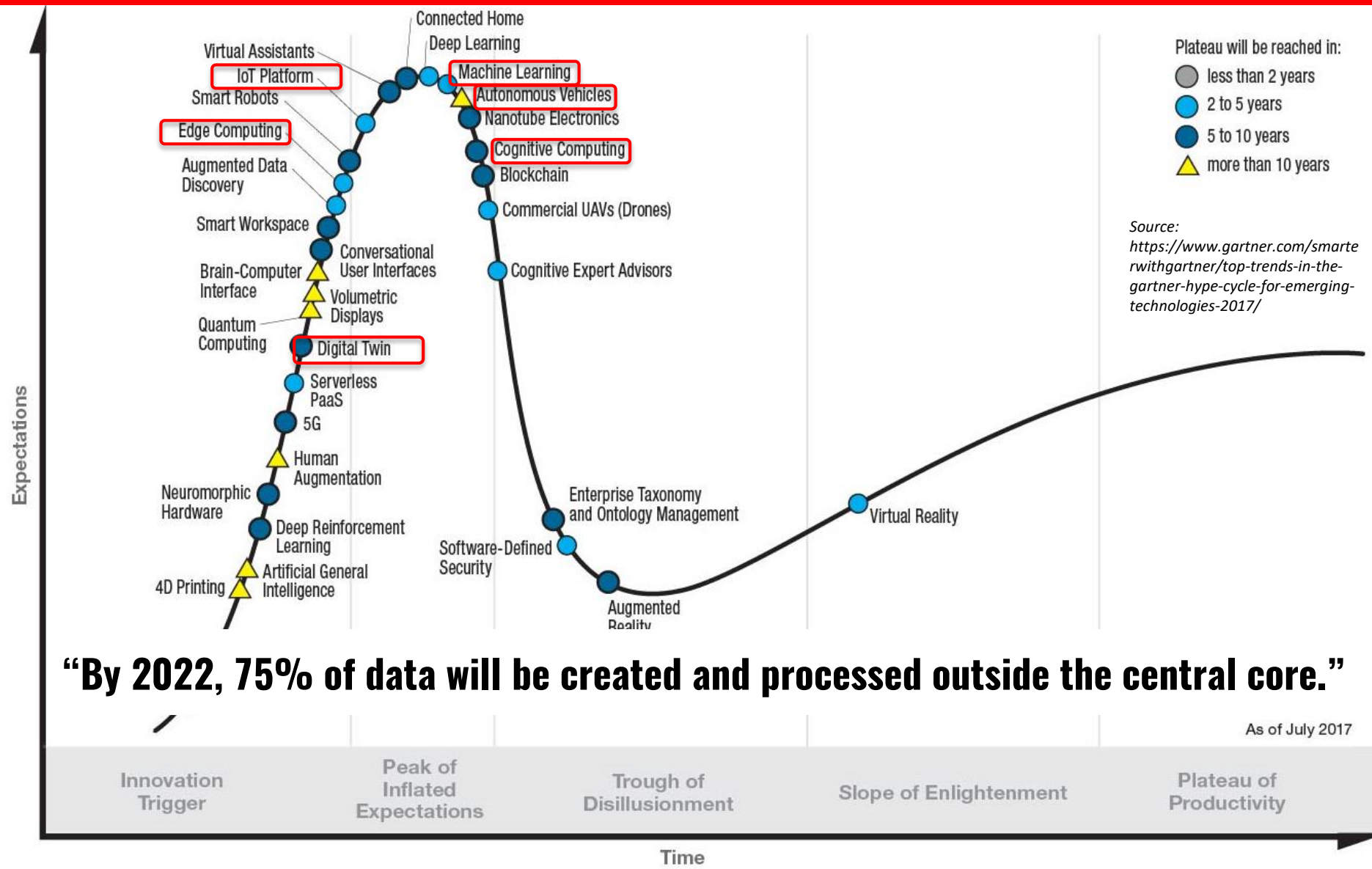
Current Challenges – Data Latency

The Edge

Where the “Physical” world meets the “Digital” world



Hype Cycle For Emerging Technologies 2017



"By 2022, 75% of data will be created and processed outside the central core."

Phased Approach

- Partner with technology
- Start small, be agile, and experiment
- Learn from mistakes
- Implement iteratively

Key Considerations

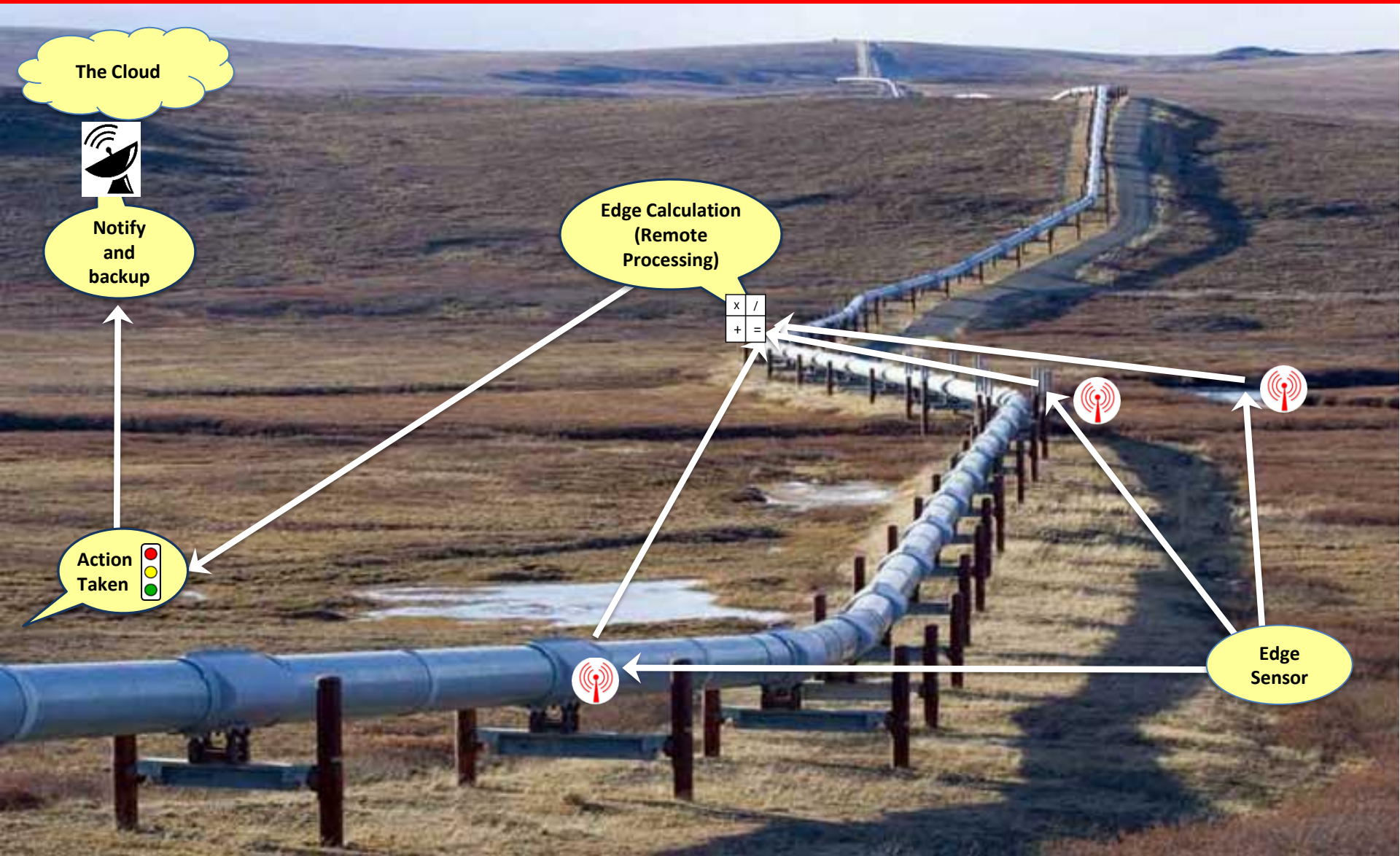
- Understand the importance of the data – perform a sensitivity analysis
- Identify the calculations that drive decisions
- Build “Risk Indicator” calculations for critical collection points

How Dynamic Risk Can Help

- Cloud and on premise system integration
- Configurable analytics and dashboards to enable focused decision-making
- Self-Serve risk algorithm generator to create targeted calculations
- Distributed computing enabled for intensive calculations (Monte Carlo simulations, etc)

What does “Taking Risk to the Edge” mean?

What Does Good Look Like in The Future?



Thank you.

Please direct questions about this presentation, or Dynamic Risk, to:

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Dynamic Risk