

Agenda

- 1. Intro: What is IoT? What does Microsoft offer?
- 2. Things: Windows 10 IoT Overview
- 3. Connectivity: Azure IoT Overview
- 4. Data: Sensor data, cognitive services, etc.
- 5. Analytics: Stream Analytics, Power BI, Azure Machine Learning
- 6. Command & Control
- 7. Wrap-up

Agenda

09:30 – 10:30 Things: Windows 10 IoT Overview

10:30 - 11:00 *Break*

11:00 – 12:00 Connectivity: Azure IoT Overview

12:00 – 12:45 *Lunch*

12:45 – 14:30 Data: sensors, cognitive services, etc.

14:30 – 14:45 *Break*

14:45 – 16:00 Analytics: Stream Analytics, Power BI, ML

16:00 – 16:30 Command & Control

Was ist IoT?

The "Internet of Things" or IoT is cool. I know this because everyone tells everyone else how cool it is. Ask anyone and they will give you

their own definition of what IoT means and why it is cool.

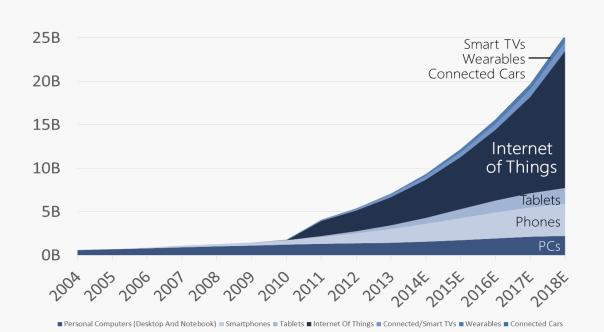
Steven Sinofsky

Pon't forget

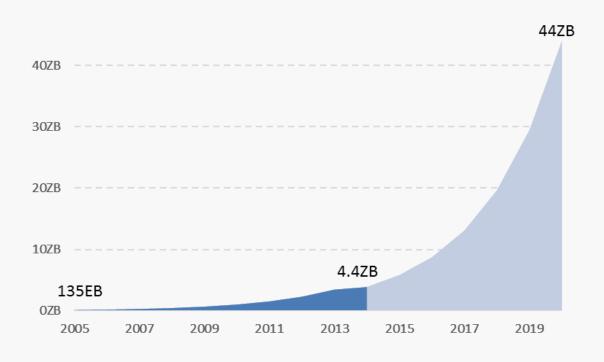
to buy milk!

IoT Market Growth Explosion in Devices and Data

Worldwide Connected Devices

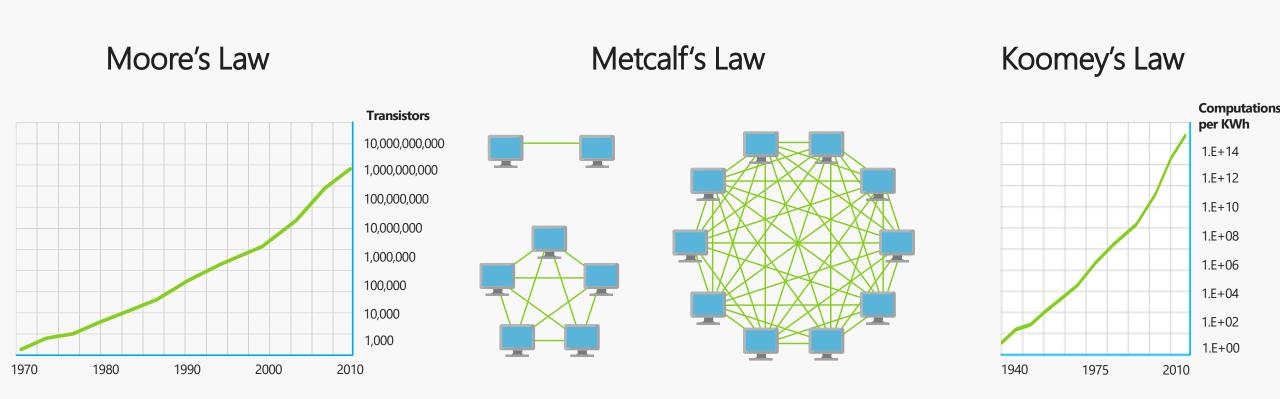


Worldwide Data Created



¹ ISS Connected Device Market Sizing. Analyst estimates range from 22-75B connected devices by 2020. 2 Digital Universe Forecast. IDC, April 2014

Disruptive Forces

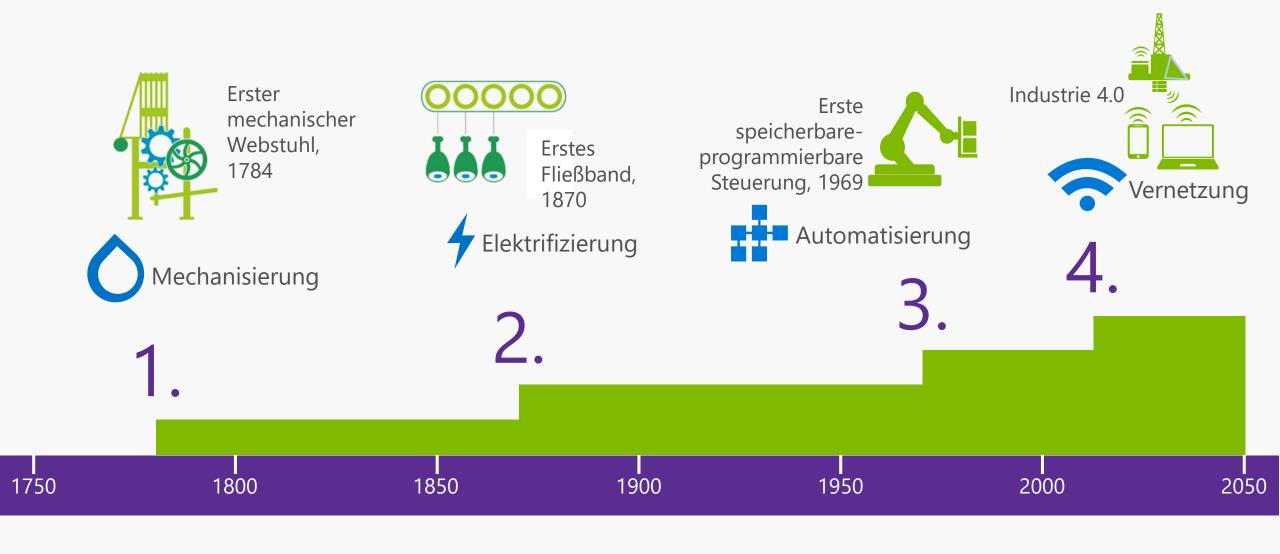


And more importantly: What can you do by combining and analyzing signals from all of these IoT devices?

Defining Internet of Things



Industrie 4.0



loT Szenarien



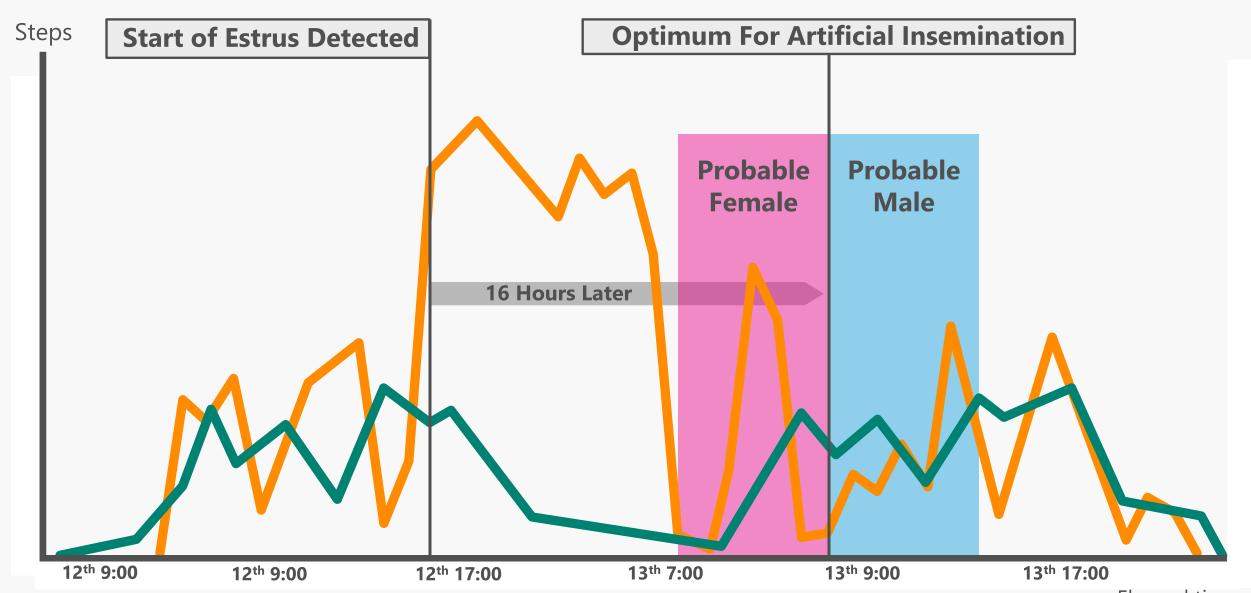


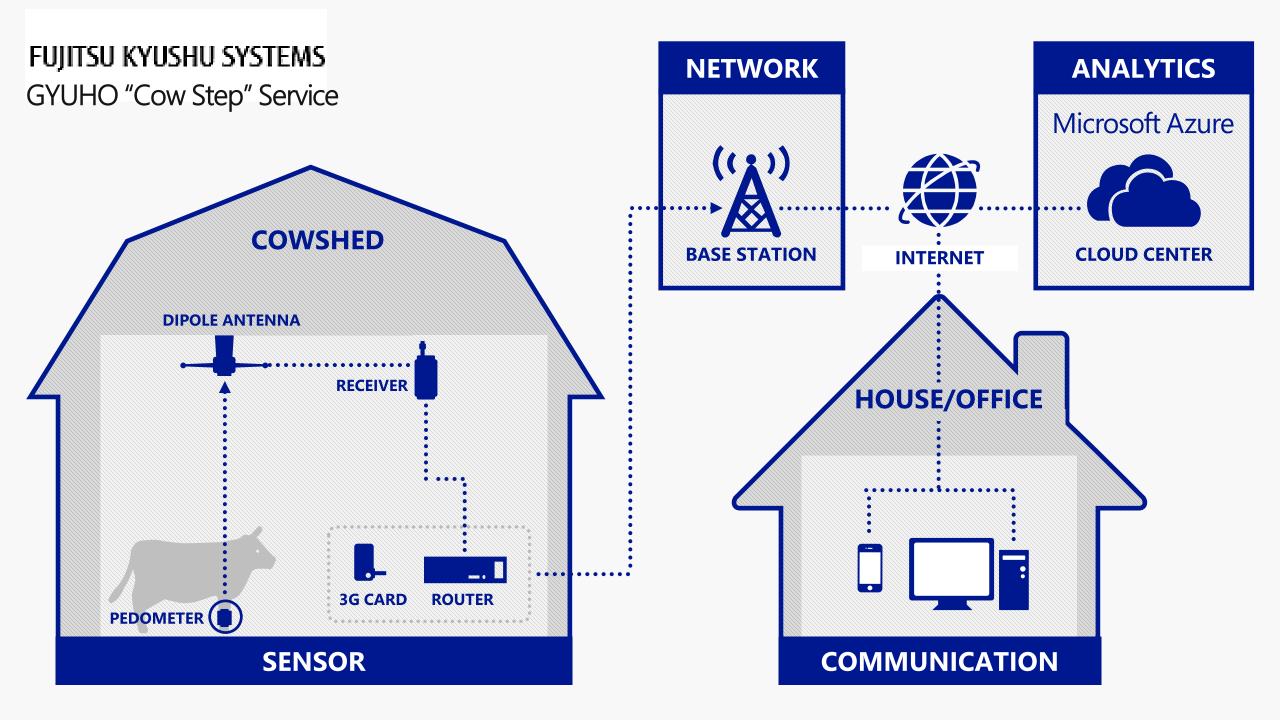
Estrus lasts only for 12-18 hours every 21 days



Occurs mostly between 10 pm and 8 am *







Connected Cars

75%

of the cars shipped globally by **2020** will be built with the necessary hardware to connect to the Internet



Vehicle diagnostic



Eco-driving



Usage-based insurance



Fleet management



Roadside assistance



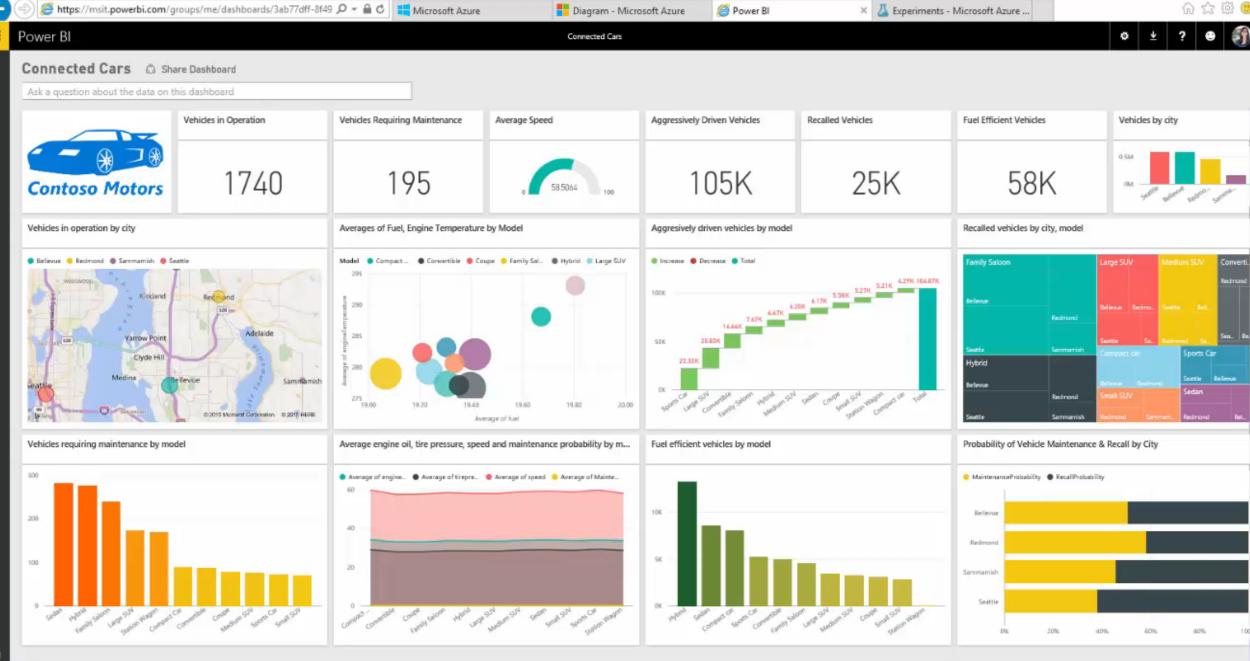


Engine performance remapping

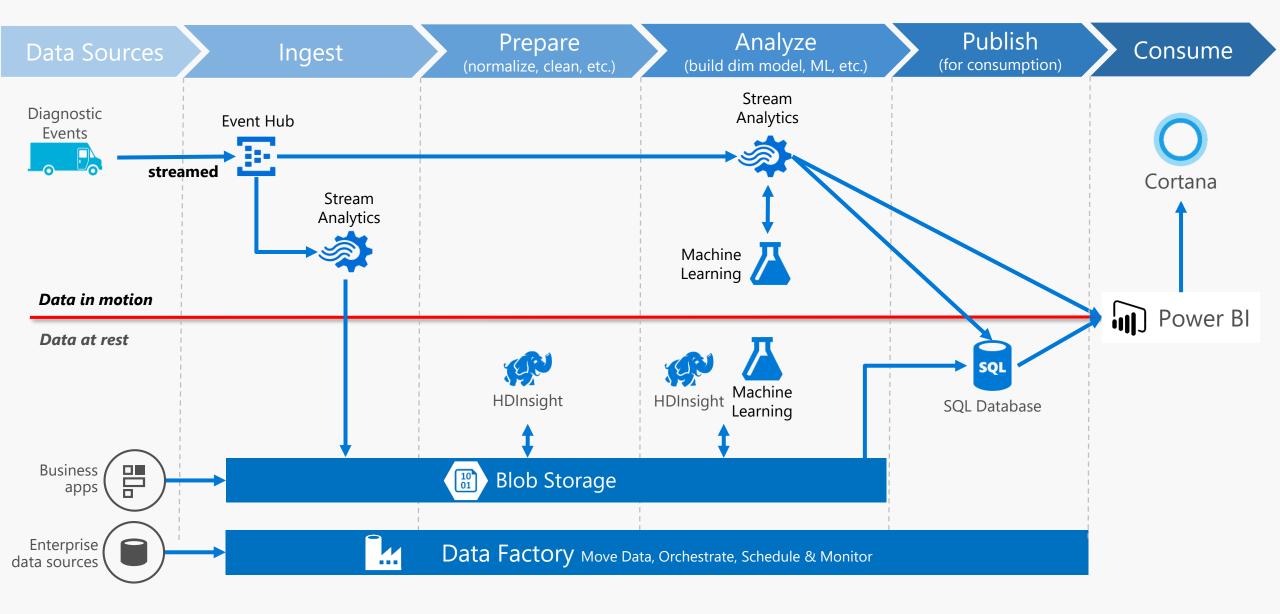


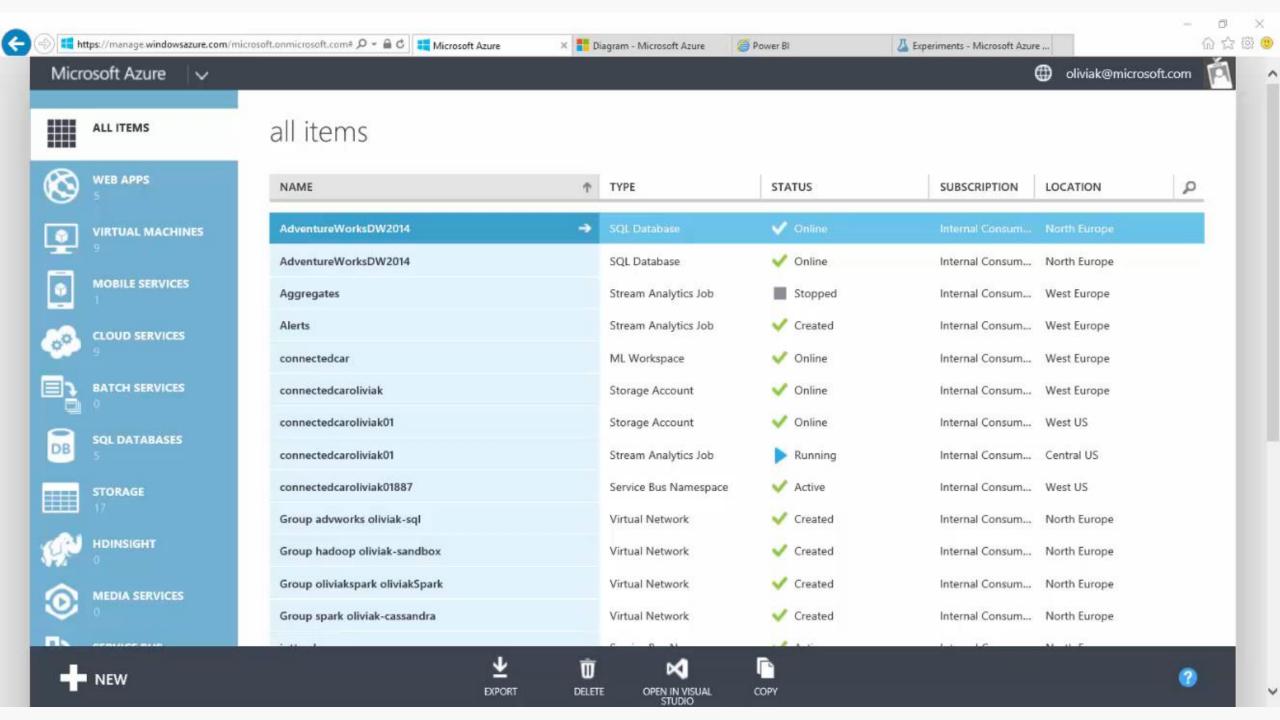
Engine emission control





Solution Architecture





SIEMENS

Siemens Healthcare – **teamplay™ Dose**

teamplay: a cloud-based network that brings together healthcare professionals in order to advance medicine and human health as a team effort. teamplay creates an international environment, in which physicians, clinicians and healthcare executives come together to form one big virtual imaging team.





SM!GHT – smart.city.light

Intelligent vernetzte Infrastruktur in Städten und Gemeinden

Idee:

Straßenlaterne mit Funktionalität und Sensorik erweitern

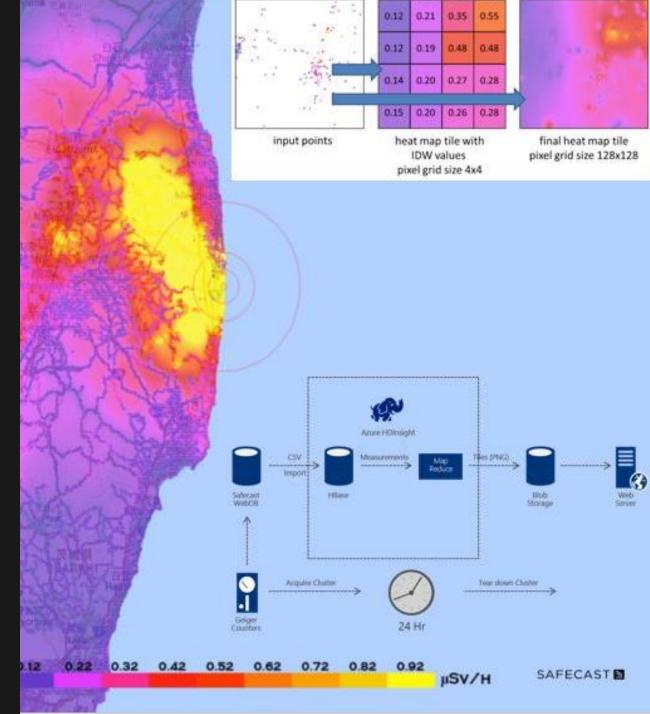


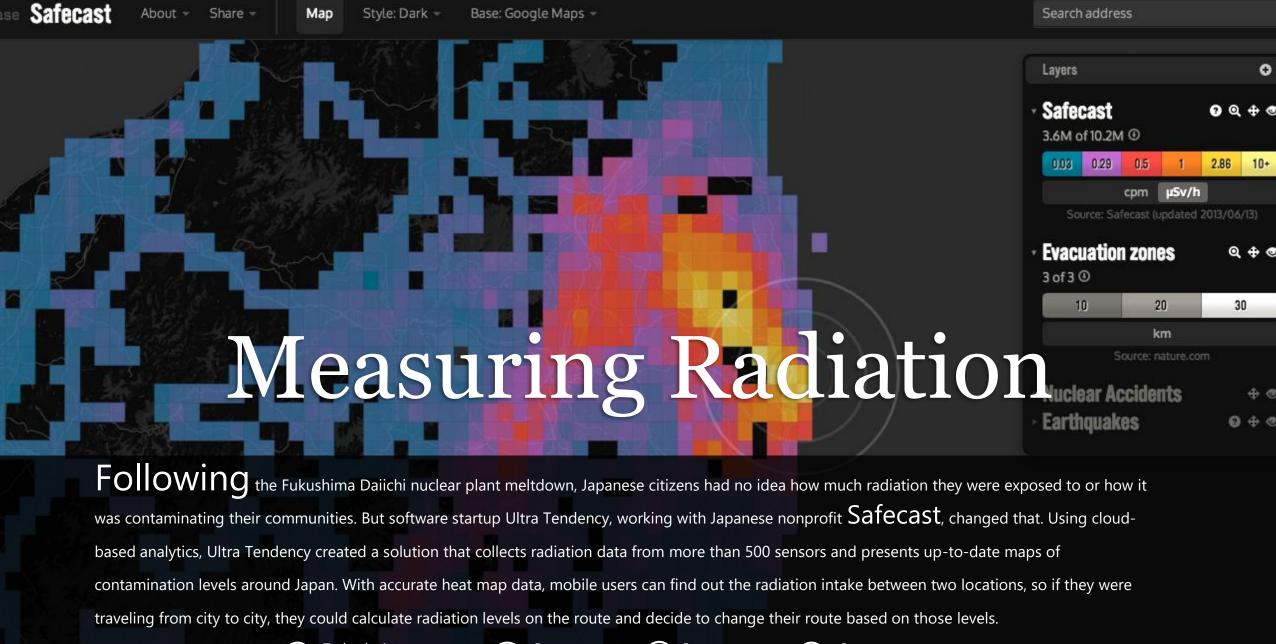


"With the analytical capabilities of Azure HDInsight and the Safecast open data set, Japanese citizens have an accurate tool they can use to discover how the Fukushima disaster impacts them."

Robert Neumann Ultra Tendency CEO











Resources
Case study





Contact: Jackie Logan



