

## The impact of an IoT landscape and cloud-centric approach

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# 'The forest is the poor man's overcoat.'

old New England proverb

and the hast of the

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## Climate change

# Water supply

# The Internet of Things isn't a technology revolution...

...loT is a **revolution**, enabled by technology



## The Internet of Things in numbers



## 80 billion

connected "things" by 2025 - IDC

## 180 zettabytes

digital data by 2025 - IDC



global IoT market by 2020 - Gartner

### Innovation at work – real IoT use cases





#### MICROSOFT AI PLATFORM



#### AZURE MACHINE LEARNING

#### AZURE MACHINE LEARNING SERVICES

#### TRAIN & DEPLOY OPTIONS





### Drone-based electric grid inspector powered by deep learning

#### Challenge

- Traditional power line inspection services are costly
- Demand for low cost image scoring and support for multiple concurrent customers
- Needed powerful AI to execute on a drone solution

#### Solution

- Deep learning to analyze multiple streaming data feeds
- Azure GPUs support Single Shot multibox detectors
- Reliable, consistent, and highly elastic scalability with Azure Batch Shipyards



## Thank You!