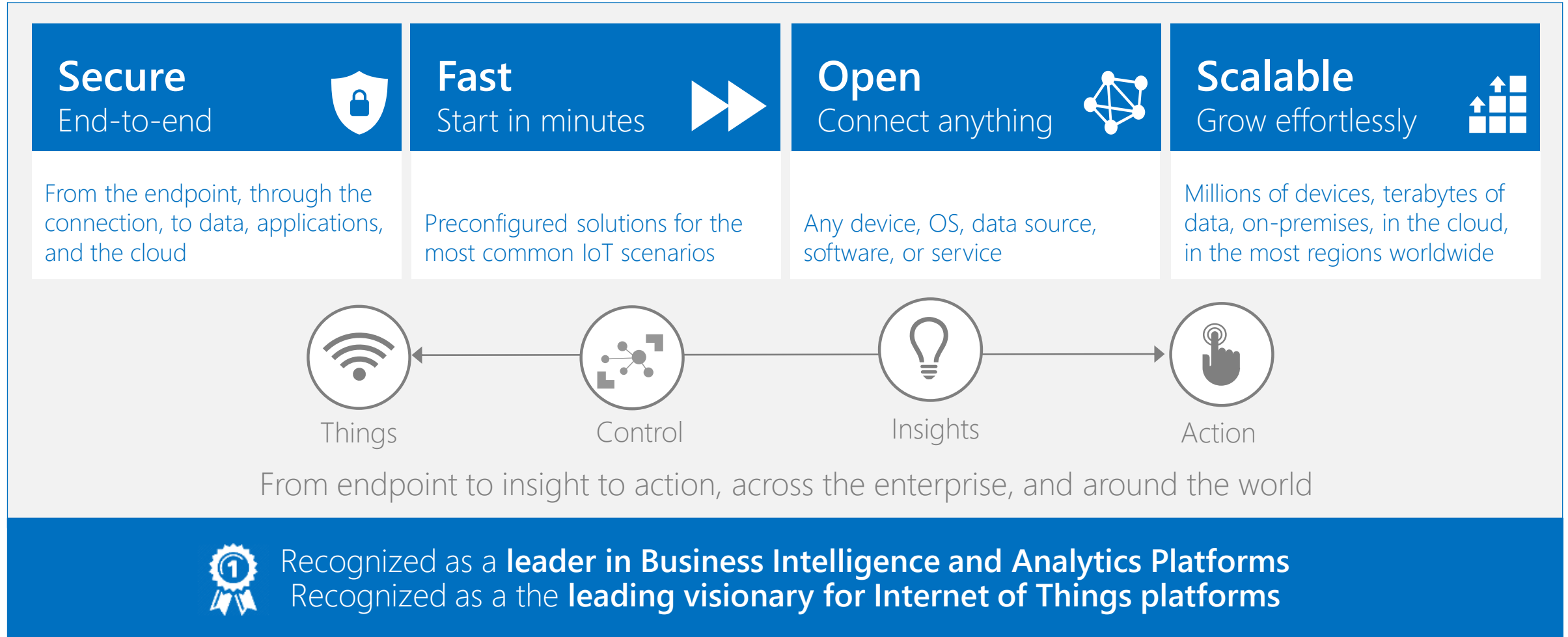


# Azure, IoT, 그리고 Predictive Maintenance [제조 산업 중심]

한국마이크로소프트  
제조 및 리테일 사업부 총괄  
이용석 상무

# Azure IoT: Ready for the Manufacturing enterprise



Built on the **industry's leading cloud**



# Defining Internet of Things in Manufacturing vertical

Things



Control



Insights



Action



30%  
decline in costs

4 ZB  
IoT data

1.5M  
staffs with analytics skills  
needed

\$10B for business  
process automation tools

# The Internet of Things is the key to digital transformation

According to a recent IoT survey...

73%

Of the companies surveyed are currently active in IoT

60%

Of those working on IoT are aiming to grow revenue and profits

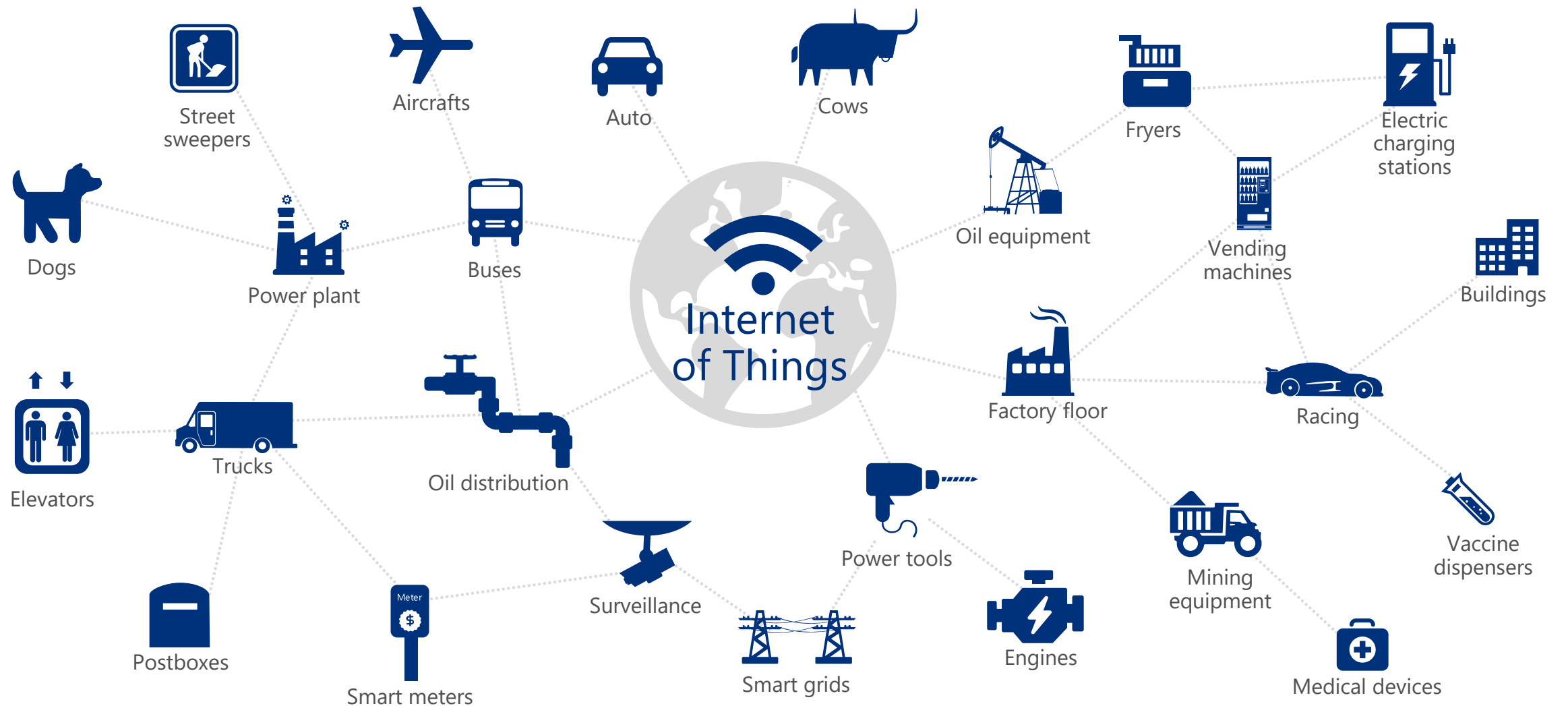
50%

Reduction in downtime with predictive maintenance



The Internet of Things isn't a  
technology revolution in  
Manufacturing industry...

# Innovation at work – real world IoT use cases



# IoT is already delivering tangible results

automotive  
engineering  
**iauv**

g-paws

**M-KOPA SOLAR**

SATALYST

NAV CANADA

**Schlumberger**

**GRUNDFOS**

**Johnson Controls**

Chillers now run 9x faster than unconnected equipment, avoiding more than \$300,000 in hourly downtime costs

**LIEBHERR**

**coop**

**Mondelēz International**

**thyssenkrupp**

Gathers data from sensors and systems to create valuable business intelligence and reduce downtime by 50%

**BMW**

**jtc**  
Breaking New Ground

**ABB**

**JABIL**

**FUJITSU**

**CAT**

**Pirell**



**esri**

**Henry Mayo Newhall Hospital**

**WEIR**

**Rolls-Royce**

**SANDVIK**

**Rockwell Automation**

Improves access to production and supply chain data worldwide, reducing downtime costs by as much as \$300,000 per day

**3M**

**SoftBank**

Cutting fuel usage by 1% could save \$250,000 per plane per year

**Schneider Electric**

**MITSUBISHI HEAVY INDUSTRIES, LTD.**

**GOJO**

**URBAN INSTITUTE**  
ELEVATE THE DEBATE

**CAN TELEMATICS**  
EVERY NO. V. CIBILITY

# Azure IoT Suite



Device Connectivity & Management



Data Ingestion and Command & Control



Stream Processing & Predictive Analytics



Workflow Automation and Integration



Dashboards and Visualization



Preconfigured Solutions



Remote Monitoring



Predictive Maintenance





