



# Internet of Things & Data Analytics

## A Perspective

# IoT – A Connected World

~ **5 Bn** 'connected things' by 2017

**685,000 TB** monthly mobile data traffic by 2018

**5x** growth in Connected things by 2020

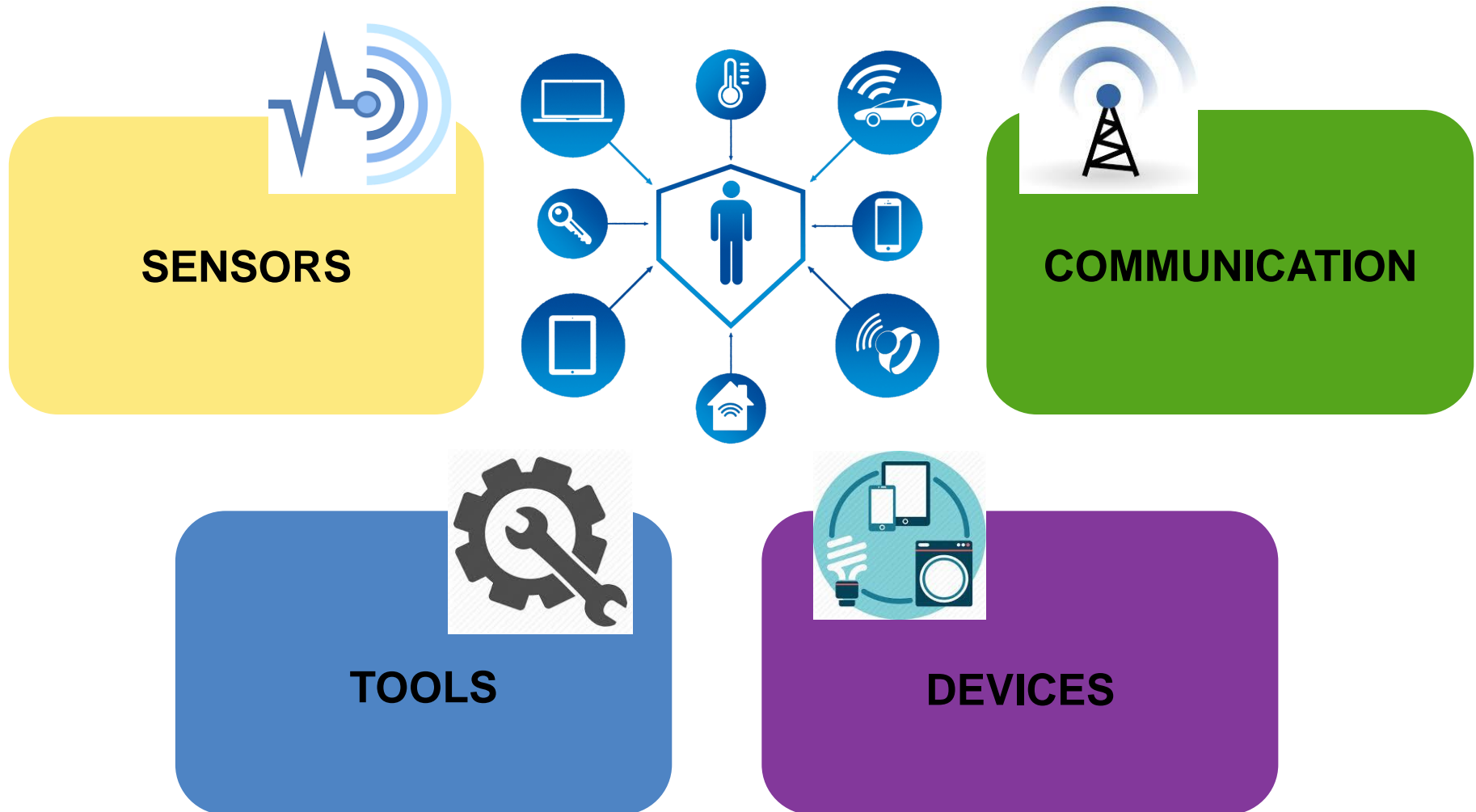
**\$1.7 Tn** rise in global spend on IoT by 2020

**Quarter Bn** Connected Vehicles

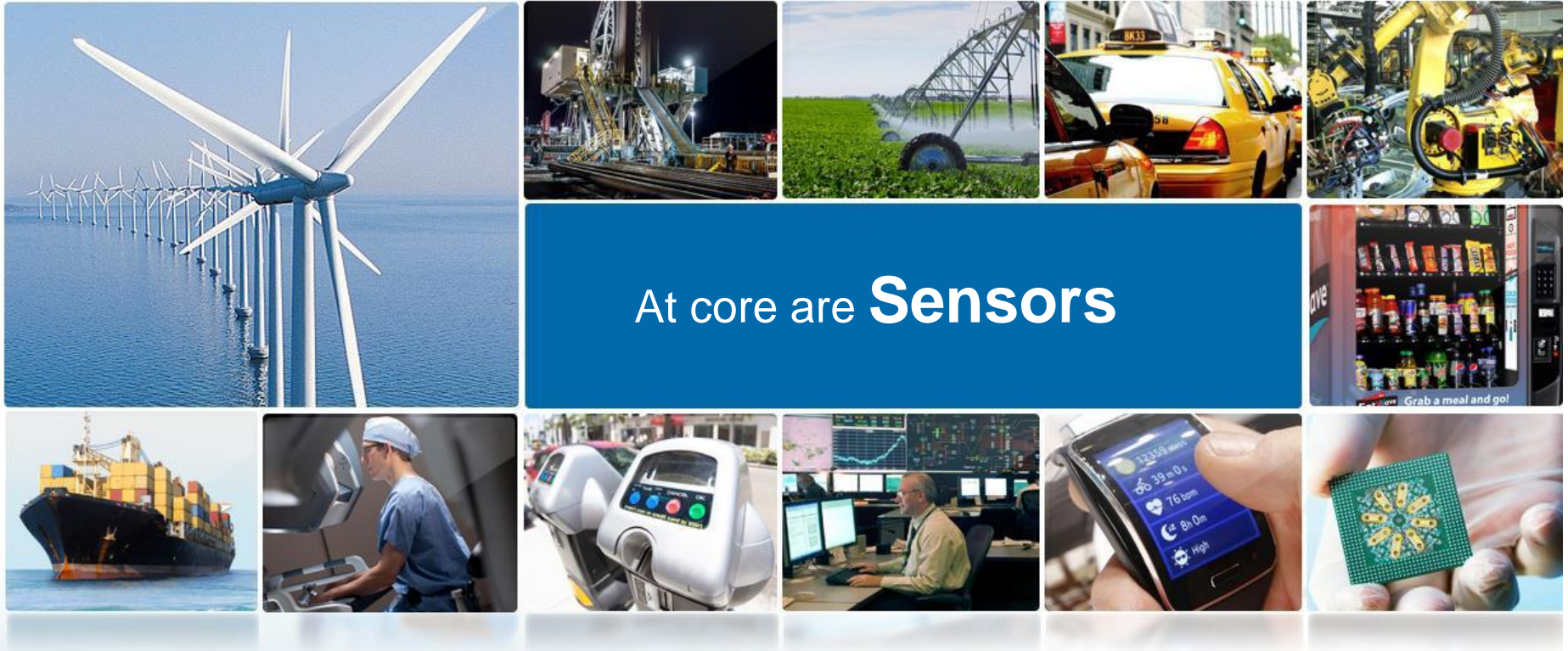
~ **3 Mn** machines running in world daily

# Combining Ubiquity, Cloud, Analytics & more

“ubiquitous computing” allow seamless integration of IoT



# IoT- An Interconnected Universe



Human & electronic, which sense and interact between people, process, data & devices

# A Complex Ecosystem



# Use Cases by Sector

## Water Management



- Leakage & Theft Detection
- Water Contamination Monitoring
- Remote monitoring
- Remote data collection
- Automatic billing

## Waste Management



- Real-time information of waste bins
- Auto-scheduled waste disposal
- Waste Segregation
- Pay-as-you-throw
- e-Waste management

## Citizen Services



- 360 degree view of citizen services
- m-Governance
- Intelligent payments
- Citizen document wallet

## Urban Mobility



- Intelligent Traffic
- Integrated multimodal transportation
- Car pooling
- Fleet Management
- Vehicle Tracking
- Electric Cars
- Automatic tolling

## Healthcare



- Monitoring elderly & disabled
- Telemedicine & Tele-diagnosis
- Smart hospitals
- Electronic Health Records
- Connected diagnostics
- Clinic on wheels

## Environment



- Pollution monitoring
- Chemical/Gas leakage detection
- Foreign particle detection
- Radiation levels monitoring
- Natural Disaster Warning
- Urban noise and pollution maps

# IoT in Agriculture

Smart Farming

Farm Visualization

Farm Analytics

Animal Behavior

Crop Health

Soil Health

# Water Management

Pressure  
Optimization

Reservoir Water  
Levels

Optimum Usage

Leakage Detection

Smart Water  
Management

Sewage Overflow  
Mitigation



# Medical Devices

Affordable Medical  
Devices

Remote patient  
monitoring

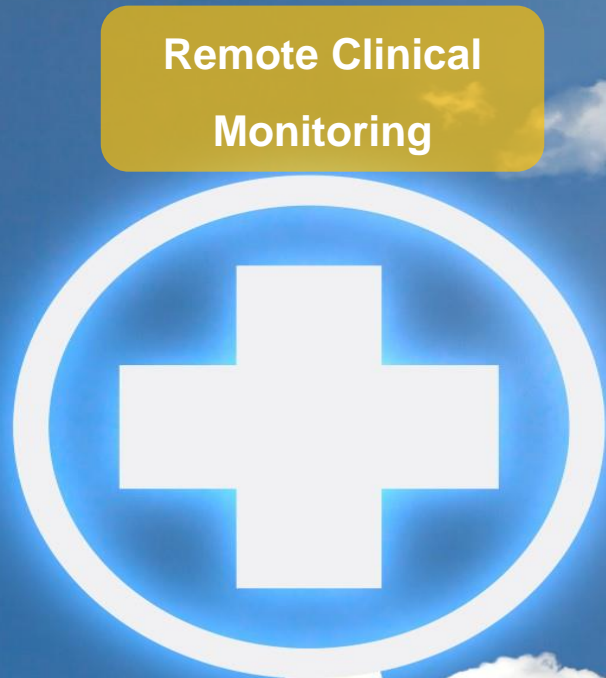
Real time patient  
visibility

Patient analytics

Artificial organs

Improved  
treatment  
response

# Healthcare



Remote Clinical  
Monitoring

Chronic Disease  
Management

Preventive Care

Assisted Living

Personalized  
Treatments

Elderly & Disabled  
Care

Telemedicine



# Thank You