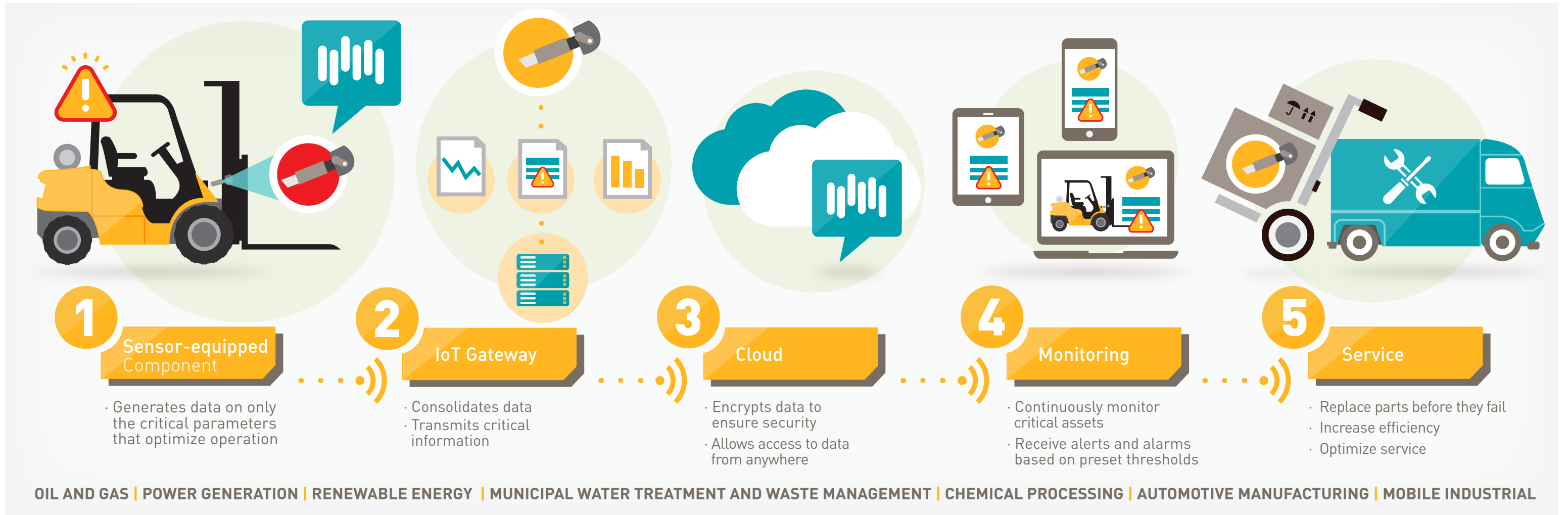# VOICE OF THE MACHINE™

IoT Empowered

I. Taking IoT the "Last Mile" With Discrete Component Monitoring

An open, interoperable and secure IoT ecosystem of connected products

1 Sensor-equipped Component
- Generates data on only the critical parameters that optimize operation

2 IoT Gateway
- Consolidates data
- Transmits critical information

3 Cloud
- Encrypts data to ensure security
- Allows access to data from anywhere

4 Monitoring
- Continuously monitor critical assets
- Receive alerts and alarms based on preset thresholds

5 Service
- Replace parts before they fail
- Increase efficiency
- Optimize service

OIL AND GAS | POWER GENERATION | RENEWABLE ENERGY | MUNICIPAL WATER TREATMENT AND WASTE MANAGEMENT | CHEMICAL PROCESSING | AUTOMOTIVE MANUFACTURING | MOBILE INDUSTRIAL

II. The Value of Discrete IoT

Reduce Downtime and Service Costs
Identify potential failures before they occur and improve service management to reduce costs and improve process.

Improve Efficiency
Identify opportunities to optimize performance and reduce costs.

Increase Product Lifecycles
Gain insight into performance to extend the service life of equipment.

Lower TCO
Minimize risk, cut downtime and lower service costs to reduce total cost of ownership.

III. Technical Expertise Unmatched in the Industry

With a century of experience at the component and sub-system application level across many markets, Parker understands exactly where to equip machines with sensors for optimal productivity insights and cost efficiencies. Let us help you leverage the power of discrete IoT today while maintaining flexibility for the future. **Visit us at parker.com/IoT**

Parker