



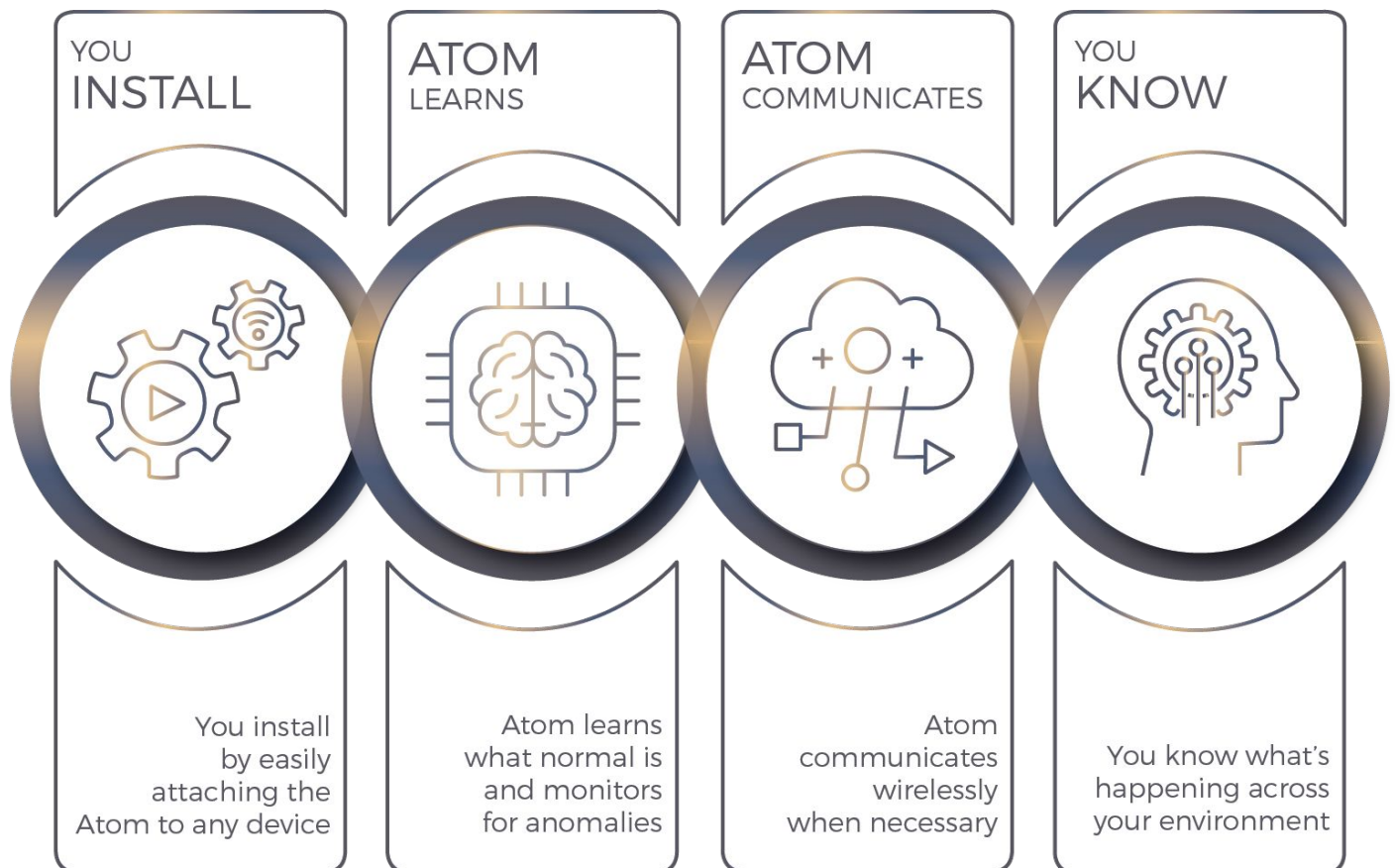
Simple, Smart
and Scalable
IoT Solution

ATOMATION

Add Legacy Devices to the IoT

Atoms are easily installed on any machine regardless of age or type, allowing previously overlooked equipment to be added to the IoT. Atoms do not require additional IT infrastructure or complex integrations. Set-up can be completed in minutes by anyone on your team with the Atomate It! app. Atoms are easily configured and users can continuously add Atoms to the platform, giving you insights on machinery, engines and devices that aren't currently monitored by existing networks.

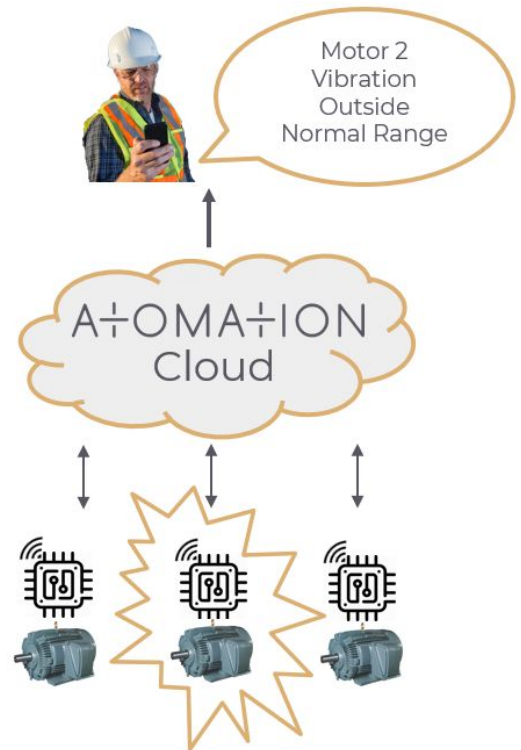
- Understand normal behavior of your devices and monitor usage
- Immediately identify equipment abnormalities and failures in the field
- Dispatch resources more efficiently to manage equipment acting outside of normal or exhibiting issues
- Reduce downtime, improve operational forecasting and increase organizational efficiencies



The Power of Atoms

No Custom Programming | No Lengthy Implementation

Atoms are small, battery-operated wireless sensors with computing and memory capabilities. Atomation's secret is the powerful edge computing capabilities that allow Atoms to recognize normal operational behavior for any device. Atoms continuously monitor and process information locally, instead of sending a constant stream of data back to a central system. When thresholds are exceeded or your equipment is acting outside of normal, Atoms send information, notifying you of problems before your equipment fails.



Solution Features



Easy
Installation



One-Touch
Configuration



Exception-Based
Alerts



Wireless
Communication



Battery
Powered



Track
Equipment



Continuously
Add Atoms

The Atomation Platform

Atom Specifications

UP-R 1.0

- **Sensors:** Vibration, Temperature, 3-Axis Accelerometer, Impact, EMF
- **Wireless Communication:** Bluetooth Low Energy and Cellular, Gateway Capabilities
- **Size:** 146mm x 87mm x 57mm

AT-R 1.0

- **Sensors:** Vibration, Temperature, 3-Axis Accelerometer, Impact, EMF
- **Wireless Communication:** Bluetooth Low Energy
- **Size:** 57.91mm x 64.01mm x 35.05mm

AT-C 1.0

- **Sensors:** Vibration, Temperature, Humidity, 3-Axis Accelerometer, Impact
- **Wireless Communication:** Bluetooth Low Energy
- **Size:** 28.5mm x 17.7mm



Access Actionable Information Anywhere

Atomate It! Mobile App

- Android and iOS compatible
- Activate Atoms
- Collect Data
- Graphs and Sensor Data
- Configure Profiles
- Set Thresholds

Cloud Database

- Analytics
- Graphs and Maps
- Historical Data
- Set Up Email and Text Alerts



Atoms in Action

Customers Solving Problems with Atoms



Atoms Monitor Any Device

Motors Pumps Cranes Refrigerators Gears Bearings
Transformers Conveyor Belts Pulleys Valves

Case Study: Motor Manufacturer

Goals

- Avoid machinery failure and downtime
- Improve efficiencies for maintenance visits
- Increase post sale-revenue using aftermarket service

Requirements

- Add on device for predictive maintenance
- Adaptable for most types of machines

Results

- Improved scheduling of maintenance visits
- Reduced equipment failures and downtime through proactive maintenance and exception-based alerts
- Over 1000 devices deployed in field





Simple

Atoms combine onboard sensors and computing with an individualized object profile to understand normal operational behavior and communicate only when necessary



Smart

Atoms easily attach to any object regardless of age or type and transmit information wirelessly to our cloud without additional customer IT infrastructure



Scalable

Flexible, cost-effective solution that is quick to deploy and configure

A÷OMAT÷ION

190 Carondelet Plaza, Suite 1130
St. Louis, MO 63105
www.atomation.net | 314-379-0150