

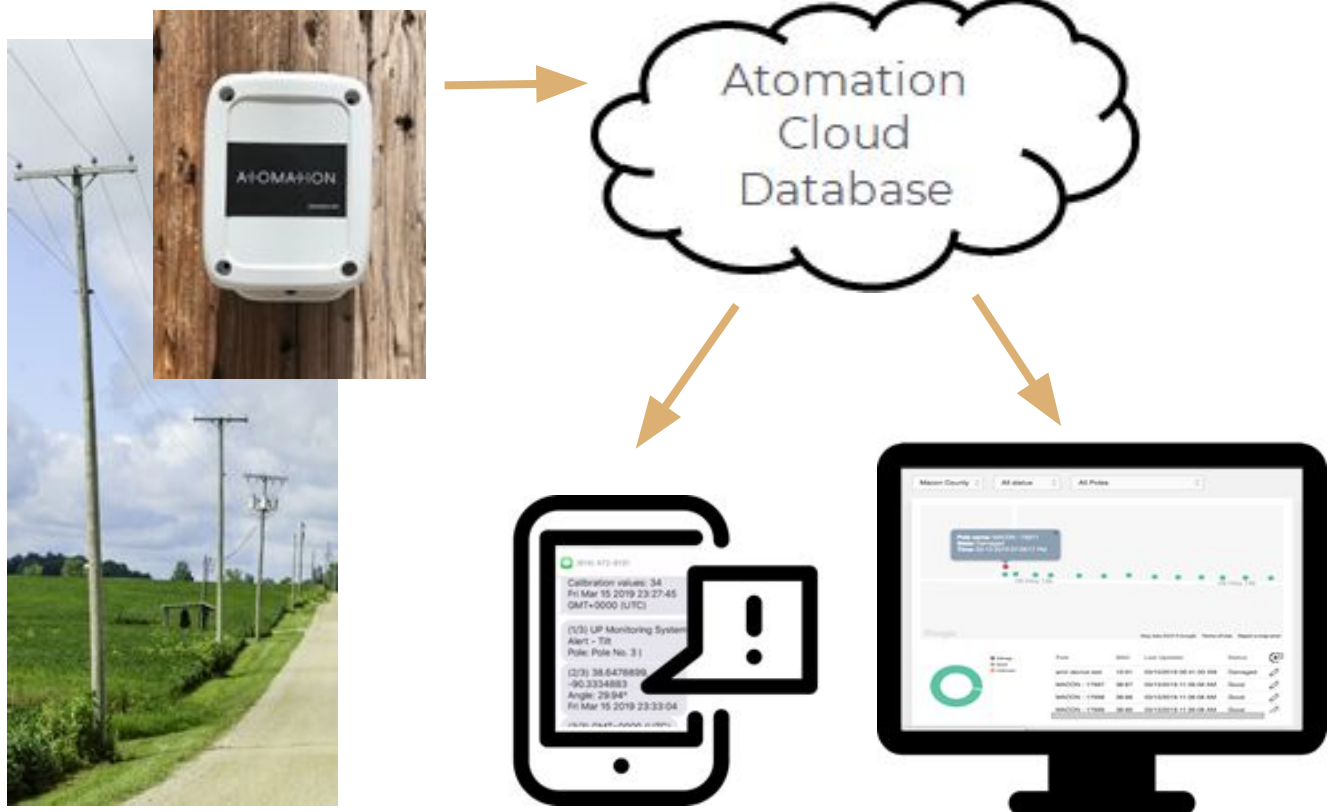
# Atomation Utility Solution

The Atomation Utility Solution gives a voice to utility poles across the grid, simply and affordably. Poles know what normal is and communicate when an issue occurs, quickly identifying the exact location of damaged or downed poles. Improve recovery times, reduce expenses and improve service delivery by giving every pole a voice.

## Instantly Identify Damaged Poles

Reduce outages by improving triage efforts - quickly and comprehensively assess damage to poles during unexpected events.

- Immediately know number of poles **down, tilted or impacted**
- Know what poles are energized: on/off
- Identify and dispatch equipment and personnel needed for repairs without requiring a physical inspection of the pole prior to arrival



# Installation and Specifications

Atoms self-calibrate, recognizing the installation position as the correct normal so there is no need to level or plumb during installation.

Atoms can be mounted directly to the pole at any height (recommend 10-12' from ground) using a drill or epoxy to attach.



## UP-R 1.0


- **Computing Power:** CPU and Flash Memory
- **Sensors:** Temperature, 3-Axis Accelerometer, Impact, EMF
- **Wireless Communication:** Bluetooth Low Energy and Cellular, Gateway Capabilities
- **Battery Life:** 10 years under proper conditions
- **Installation:** Screw-mounted
- **Size:** 146mm x 87mm x 57mm

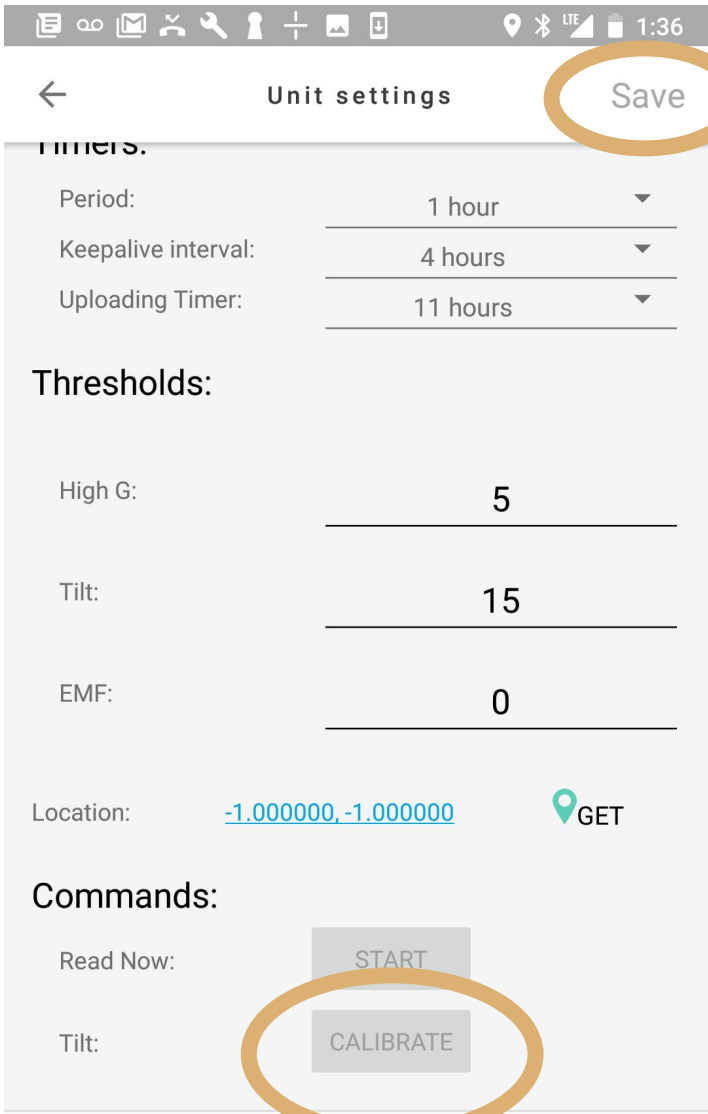


# In App Configuration

Automated connection and registration is executed in the field using Atomation's simple mobile app without requiring additional training or technical expertise. Users can add more information in the configurable pole descriptions in the app as needed.

Set up and configure Atoms using Atomation's Utility Poles App

- Download Atomation App
- **Login**
  - Login using credentials provided by Account Admin or Atomation
- **Add An Atom**
  - Got to 'My Poles'
  - Tap the + sign
  - Select your Atom
- **Calibrate**
  - On the 'My Poles' Screen select the Atom installed on the pole
  - Tap the gear icon  to access 'Unit settings'
  - Scroll to 'Commands' at the bottom of the screen
  - Tap 'Calibrate'
  - Save
- .The Atom must be in BLE range of the app to calibrate



**Unit settings** Save

**Timers:**

Period:	1 hour
Keepalive interval:	4 hours
Uploading Timer:	11 hours

**Thresholds:**

High G:	5
Tilt:	15
EMF:	0

Location: [-1.000000, -1.000000](#) GET

**Commands:**

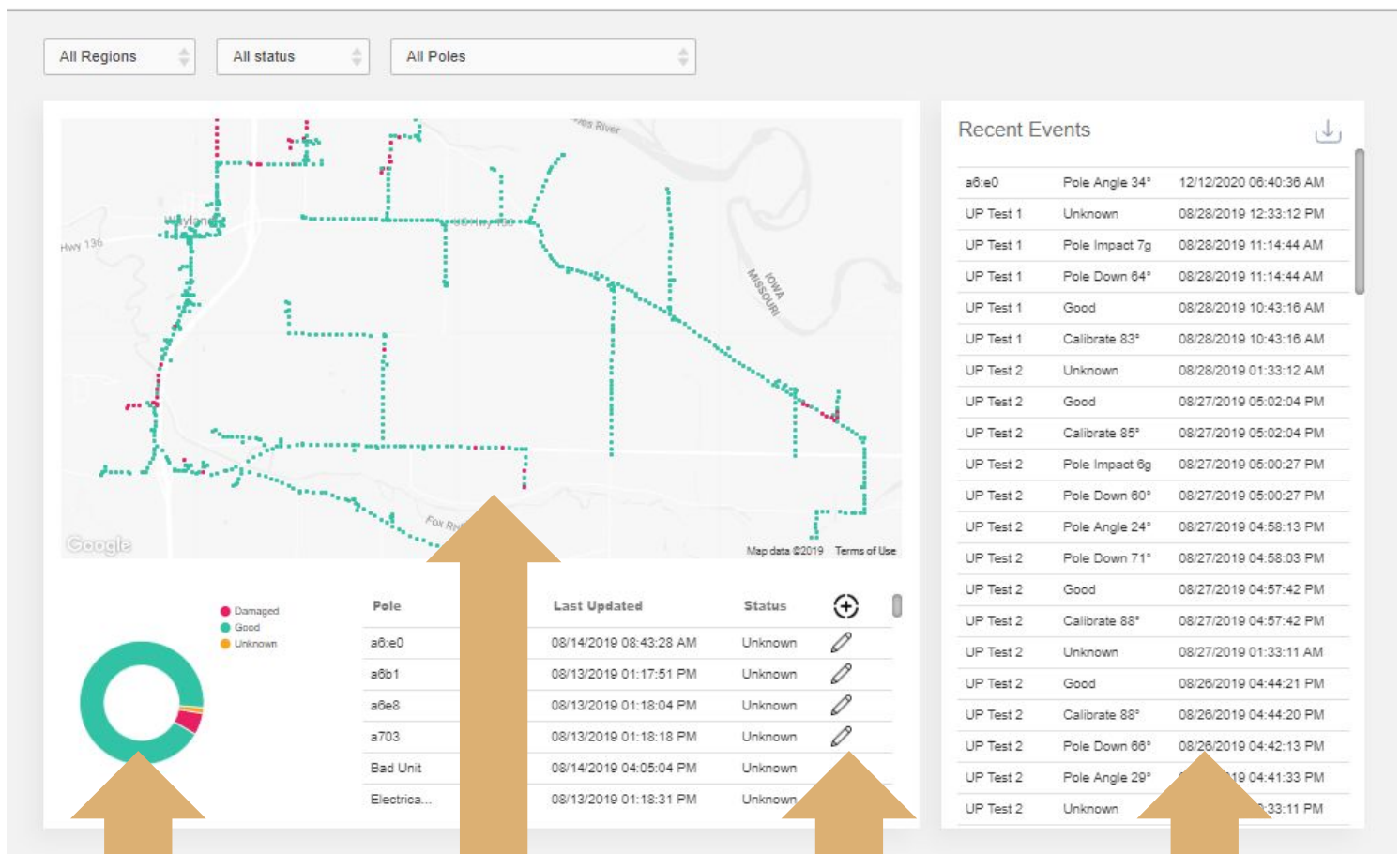
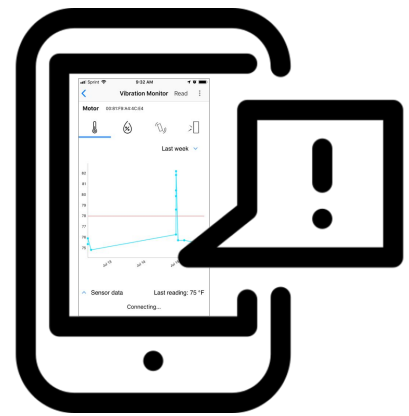
Read Now:	START
Tilt:	CALIBRATE

Last Updated: 03-14-2019 5:29:48 PM

# Online Dashboard & Alerts

Atoms send alerts wirelessly to the online dashboard and can also send text and/or email alerts to specific team members, further reducing communication needs and alerting teams to outage issues in real-time.

Dashboards offer zoom capabilities and provide all information collected during configuration including the information repair crews need to repair the damaged pole, restoring power to your customers quickly and efficiently.



Percent Damaged Poles

Service Area Map

Pole Index

Recent Event Log