Know where your goods are in near-real time

High-value assets | Supply chain components | Temperature-sensitive assets | Geographically dispersed assets

AT&T IoT Asset Management Solutions for Freight Monitoring

Problem
Lack of visibility into the location and condition of goods during transport and upon delivery can be costly to freight owners:
• Operating costs can increase due to lost time searching for missing freight
• Revenue can be reduced when goods cannot be located or are damaged during transport or upon delivery
• Lost or stolen freight can have an impact on revenue, supply chain efficiency and customer satisfaction

Solution
AT&T’s IoT Asset Management Operations Center provides the ability to track the location, movement, and condition of your freight.
Set thresholds for humidity, temperature, impact, and ambient light intensity. Establish geofencing to determine if your freight is outside of established boundaries.
Simply attach an asset tracker to your freight to manage and monitor your connected assets via AT&T’s Asset Management Operations Center.

AT&T Asset Management Operations Center (AMOC)
AMOC is a customizable solution that enables businesses to monitor a wide range of IoT assets at multiple locations in one centralized dashboard. Using AMOC, businesses can set up alerts and quickly identify and solve issues, helping to improve operational efficiency and peak productivity of assets.

AMOC Capabilities
• Compatible with multiple LTE/LTE-M/satellite/Wi-Fi devices
• View historical trends of sensor data
• Respond in near real-time to critical issues
• Devices are available to support the monitoring of location, temperature, humidity, motion detection, and ambient light intensity
• Use geofencing to quickly determine if assets are where they should be located

Sampling of available devices

<table>
<thead>
<tr>
<th>Device</th>
<th>LTE Type</th>
<th>GPS</th>
<th>Global</th>
<th>Wi-Fi</th>
<th>BT</th>
<th>Rechargeable Battery</th>
<th>Solar powered</th>
<th>Motion</th>
<th>Vibration</th>
<th>Temperature</th>
<th>Humidity</th>
<th>Light</th>
<th>Airflow</th>
<th>Battery size</th>
<th>Lifetime Messages</th>
</tr>
</thead>
<tbody>
<tr>
<td>BeWhere B1-MIoT R4-INT Battery</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IP66</td>
<td></td>
<td></td>
<td></td>
<td>4600mAh</td>
<td>~3,500</td>
</tr>
<tr>
<td>Micron Bolt Mini - LTE M (w/repl. batt.)</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Repl.</td>
<td>•</td>
<td>•</td>
<td>IP67</td>
<td>5400mAh</td>
<td>~2,200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XT4975 Solar</td>
<td>C1/3G</td>
<td>•</td>
<td>•</td>
<td>S</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>IP67</td>
<td>Wired</td>
<td>Wired</td>
<td>10 Ah</td>
<td>Unlimited</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information, including a complete list of available devices, contact an AT&T Representative or visit www.att.com/IoT

© 2019 AT&T Intellectual Property. All rights reserved. AT&T and Globe logo are registered trademarks of AT&T Intellectual Property. | 13911-010419