

# Eseye AnyNet Global Cellular IoT Connectivity Solution

## Delivering Global IoT Connectivity into AWS IoT Core



### Challenges

#### Deploying Global IoT is Complex

The Internet of Things (IoT) has unlocked unlimited potential for organizations to gather up-to-the-minute customer and market intelligence from devices deployed around the world. However designing, deploying and connecting devices around the world to gather and analyze a steady stream of rich data can be challenging, costly and time consuming. Consistent reliable device connectivity, the difficulties in managing devices estates and the secure provision of data into chosen hyperscale cloud providers are key technical and operational challenges that organization's need to overcome.



### The Eseye Solution

#### Enabling Seamless Connection with AWS IoT Core

Eseye's connection to AWS IoT Core securely delivers seamless data provisioning, simplified management, and ubiquitous cellular connectivity for all your IoT devices wherever they are deployed globally. Eseye's unique SIM and connectivity platform technology avoids the typical security concerns found in deploying, connecting and managing your IoT devices. With an abstracted, agnostic IoT connectivity platform covering over 700 mobile network operators, Eseye significantly simplifies and automates the secure global deployment of IoT to deliver an average of 99.8% connectivity. In addition, the connection with AWS IoT Core enables other AWS IoT applications including AWS IoT Device Defender, AWS IoT Greengrass, and AWS IoT Analytics.

### Benefits

The Eseye AnyNet Secure<sup>®</sup> SIM and our market leading IoT connectivity platform delivers 99.8% connectivity anywhere in the world.



#### One SIM, One Product SKU

Eseye's AnyNet Secure<sup>®</sup> SIM enables one product SKU to be manufactured and deployed globally.



#### Connectivity platform delivers 99.8% availability

Eseye's advanced IoT connectivity platform dynamically switches networks over the air (OTA) to deliver 99.8% global connectivity.



#### Seamless connection with AWS IoT Core

Zero-touch connection from device to AWS IoT Core enables rapid device registration and automatic security certification back to the device.



#### Unified device, data and policy management

Devices are fully managed within AWS IoT Core, enabling consistent policy management within one single pane of glass, one global support contract, and a single AWS bill.

## Eseye and AWS IoT Core

Eseye's unique intelligent connectivity has multiple profiles or IMSI's that can be updated over the air or localized to the relevant mobile network. This proactively managed connectivity can help enterprises achieve near 100% global uptime. With this connectivity directly into your AWS Account, you can buy your SIM, global connectivity, and manage your whole IoT estate through a single pane of glass. You get one bill linked to account activity making for easy administration. Linking seamlessly to AWS IoT Device Manager, you can quickly, easily, and securely onboard, organize, remotely manage, and monitor your IoT devices at scale throughout their lifecycle; reducing the effort and cost typically associated with extensive IoT deployments. Device information can be regularly updated and configured in devices deployed across multiple locations. This includes updating device software and firmware through secure over-the-air (OTA) which helps to control your maintenance costs.



### Real-Time Data Provisioning

Any devices that connect via Eseye's platform can seamlessly and securely provision data into AWS IoT Core. Furthermore, once data is ingested into AWS IoT Core customers can make use of other AWS IoT applications such as AWS IoT Device Manager, AWS IoT Analytics, and AWS IoT Device Defender.



### Zero-Touch, Automatic Security Certification

Eseye's unique APN enables us to extract information including traffic volumes, IP addresses and ports in use, and push the information to AWS IoT Device Defender in real time. Meaning you can not only track and identify anomalies in how much data is being used – but also where that data is being sent. This is important for mitigating advanced security threats where an attacker may mimic device behavior to hide their intrusion.

## Case Study: [Positec Worx](#)



### Challenges

Positec manufactures and sells Worx smart connected lawnmowers all over the world. They were unable to rely on customer WiFi connections, and they also wanted to manufacture a single product SKU with a single SIM that could be deployed globally and work out of the box, thus avoiding the need to have multiple SIMs and operator agreements in each region.



### Solution

Eseye supplied Positec with a single global SIM that enabled them to manufacture a single product that could be shipped globally. Eseye enabled each lawnmower to automatically and securely connect out of the box, seamlessly provisioning data into AWS IoT Core.



### Results

Positec realized a vastly simplified production and distribution process as a result of using Eseye's AnyNet Secure® SIM and global connectivity platform. The integration into AWS IoT Core meant they also were able to benefit from streamlined global device estate management, improved security and access to valuable product insights which now informs their R&D roadmap.



## Get started with Eseye solutions on AWS

Visit [AWS Marketplace](#) or [contact us](#) to discuss your IoT project today.