

## Global Alerting Platform (GAP)

A global hub for satellite messaging devices designed for a range of applications.

GAP is a global messaging services platform that provides location tracking, emergency alerting, message routing and storage.



### Overview

The Global Alerting Platform (GAP) is a global messaging services platform that supports a wide range of applications including lone worker protection, machine to machine (M2M) communication, text messaging and track and trace. GAP is the platform of choice for some of the world's most demanding applications; every day thousands of people rely on GAP for global communication and safety management.

GAP provides gateway services to satellite communications networks such as Iridium and Inmarsat. It supports all popular satellite data protocols and facilitates message routing and interoperability between a wide range of devices. A pluggable architecture allows new devices and protocols to be integrated quickly.

A developer Application Programming Interface (API) allows custom and vertical market applications to be developed against a reliable, scalable and highly available messaging core. The system is operated as a "Software as a Service" meaning that we operate and manage the system whilst providing applications and services via the Internet.

The GAP system is self-healing and able to withstand many kinds of hardware and network failure. GAP operations are managed to the highest standards with rigorous disaster recovery and business continuity plans.

### Details

Manufacturer: • two10degrees

Network: • Iridium  
• Globalstar  
• INMARSAT  
• SkyWave

Device Type: • Tracking Portal

Markets: • Tracking  
• Telematics

## Applications

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GAP is used across a wide range of applications and industry sectors.

We have a number of “out of the box” solutions for applications such as track and trace but customers can also use GAP as the building blocks for custom solutions.

### Track and Trace

GAP tracks people and assets using low cost, GPS-enabled satellite devices.

The portal provides detailed maps, tracks and history via an easy to use web based application.

### Machine to Machine (M2M)

GAP can manage sensors, actuators and data loggers in remote locations and provides end-to-end management, monitoring, control and reporting solutions.

### Lone worker and Safety

Whether it is protecting lone workers, monitoring scientific expeditions in the Antarctic or protecting sailors on the high seas, more and more people want to carry a portable satellite messenger device to keep in touch and raise the alarm in an emergency.

GAP provides the messaging and coordination to facilitate all these applications. Emergency messages are routed to your chosen emergency coordination centre.

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## Devices

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GAP is designed to support a wide range of devices and allow them to interoperate. For example, you can send a message from your SPOT device and have it delivered to an Iridium SBD device or have your regular position reports automatically update your friends via your social networks.

Customers with a mixture of device types can manage them through a single system.

- Iridium Extreme
- Iridium SBD
- ISatPhone Pro
- SPOT from Globalstar
- SkyWave IDP Range
- SmartOne from Globalstar
- Quake Global Q-Pro
- Fleet Broadband
- GTTS-2000B
- SkyWave DMR
- Smart Phones
- WideAwake Tracker

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## Networks and Protocols

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Supported satellite communications networks include:

- Iridium
- Inmarsat
- Globalstar
- SkyWave

GAP supports Iridium Short Burst Data delivery.

GAP can also interoperate with terrestrial GSM, 3G and SMS networks. Protocols include:

- Iridium Extreme protocol;
- Inmarsat D+;
- AST iX protocol for (M2M) applications;
- GD92 Fire Service Mobilization Protocol;
- Social network API formats
- XML formats