



## Humanitarian Aid & Disaster Relief

# IMMEDIATE CONNECTIVITY VIRTUALLY ANYWHERE

Humanitarian responders need immediate, reliable network connectivity in the most challenging situations imaginable. SES Networks offers an unparalleled range of satellite enabled solutions that are at the heart of life-saving response and recovery operations. Powered by SES Networks' fleet of Medium Earth Orbit (MEO) and Geostationary Earth Orbit (GEO) satellite constellations, local responders can quickly deploy resilient broadband services to link up responders and community members in record time, accelerating recovery, communications, and new learning opportunities for people impacted.

### Why SES Networks for Humanitarian Response?

- Provide immediate connectivity when terrestrial fiber networks are impaired
- Immediately enable frontline responders with access to remote experts and enable WiFi hotspots, internet, 3G, and 4G/LTE
- Rapidly deploy broadband internet connectivity and crystal clear communications community-wide
- Readily and remotely access crucial cloud-based applications and information to inform a more effective response
- Provide connectivity for logistics and remote health and medical applications

### Key Features

- Immediately available, portable communications and data network infrastructure
- Dynamically scale, assign, and prioritise internet connectivity up to 2Gbps
- Ultra-low latency connections with <150ms satellite data round-trip time
- Available on five continents and in 20 high-risk countries
- 99.5-99.9% availability depending on location
- 24/7 network support through SES Networks operation centers

### Benefits

- Global coverage and pre-positioned satellite equipment and transmission capacity rapidly enable internet and cloud-based applications for use by NGOs, government agencies, militaries, peacekeepers, and businesses around the globe
- Critical communications, internet services, and mission-critical applications are available community-wide in place of or to augment damaged fiber infrastructure
- Equips people impacted with a way to communicate and provide input into decisions about humanitarian needs

**Humanitarian Relief Case Study:  
Project Loon**

In March, 2017, regions in Peru were deluged with nearly ten times the typical rainfall, causing widespread flooding, mudslides, and damage to the telecommunications infrastructure.

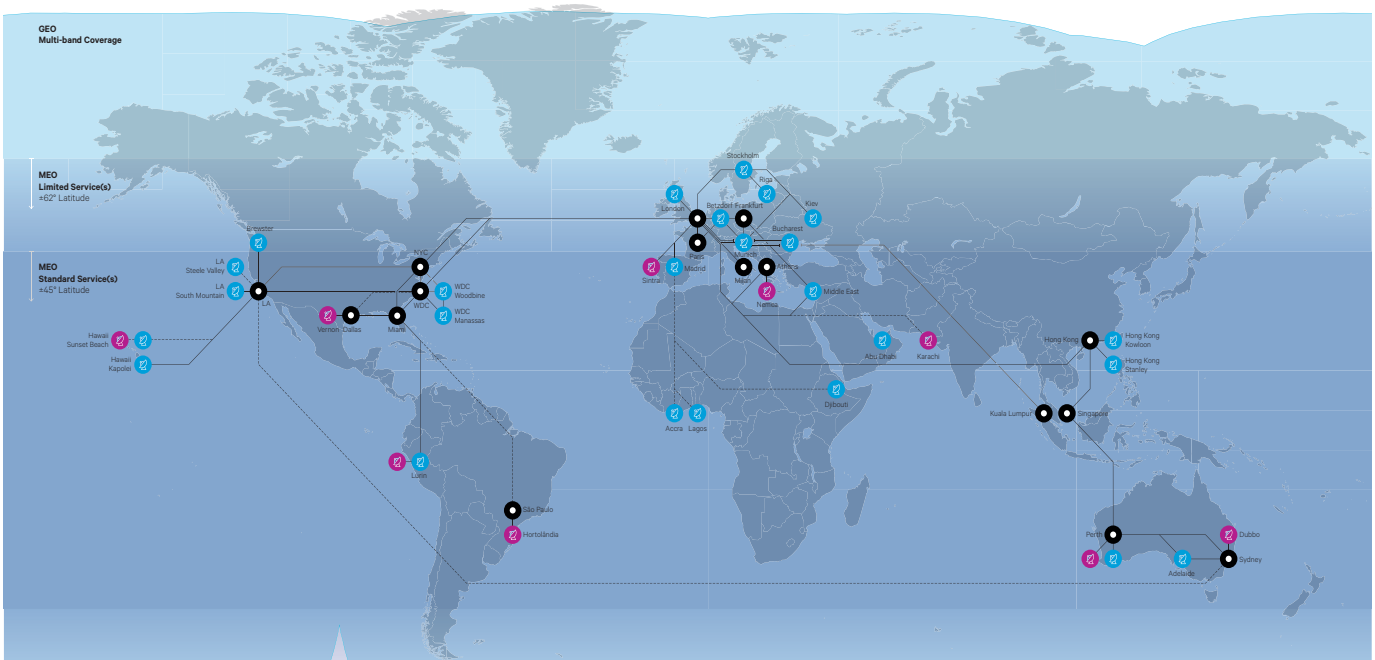
The Project Loon team working with O3b Networks, now part of SES Networks, and several local technology partners to restore connectivity to Peruvians effected by the flooding using the only satellite network able to provide fiber-like throughput and low latency to fully support the native 4G/LTE and critical applications that enabled emergency responders and citizens with crucial services.



Project Loon provided cellular and fiber-like internet connectivity using the rapidly deployable FastConnect solution. The solution provided the much needed communications infrastructure to those impacted. With the solution put in place within 48 hours, people and emergency personnel were able to:

- Connect with telemedicine services;
- Communicate online and via social media;
- Access and procure resources online; and
- Stay updated on developments and resources.

**COVERAGE MAP**



**SES GEO & MEO NETWORK**

 MEO gateway  
  GEO gateway  
  Point of presence (POP)  
  Existing link  
  Future link

Learn more about SES Networks' full portfolio of services and solutions.  
Website: [ses.com/networks](http://ses.com/networks)

