

# Iridium Social Responsibility

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# We Make a Difference

## Social Responsibility at Iridium

We are committed to supporting STEM education for the next generation of innovators. We're supporting youth across the world through educational and internship opportunities, community and global partnerships, and employee volunteerism.

Learn more at [www.iridium.com/csr](http://www.iridium.com/csr)



**Disaster Preparedness  
& Relief**



**Environmental &  
Space Sustainability**



**STEM (and STEAM)  
Education**



# Disaster Preparedness & Relief



Through our disaster preparation education, satellite communication trainings, emergency loaner program, and other resources, we are committed to help communities prepare disasters, and assisting in relief efforts after tragedy has struck.



**Iridium supports disaster prep and relief through:**

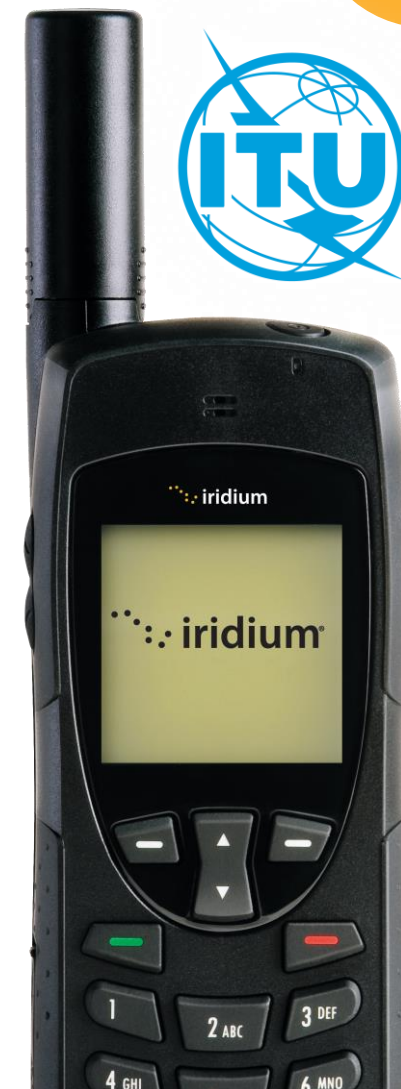
- U.N. International Telecommunication Union Donations
- Emergency Relief Sponsorship Program
- Disaster Prep Education & Resources
- Disaster Communications Support
- Business Continuity Planning
- Disaster Planning and Relief Solutions for hurricanes, tsunamis, first response, and climate change



# Iridium & the United Nations ITU

The International Telecommunications Union (ITU) is committed to connecting all the world's people – wherever they live and whatever their means. Through their work, they protect and support everyone's right to communicate. Iridium has a long-standing partnership with the ITU to help provide emergency telecommunications during emergency relief efforts. Through this program, Iridium phones have been deployed to help people all over the world after disasters and emergencies.

- Iridium has donated 70 Iridium® phones and unlimited free service (airtime)
- After disasters, ITU assists and coordinates with other agencies to provide communications to disaster relief teams and organizations around the world.
- Our donated phones have been used for relief and recovery in some of the largest:
  - *Indonesia Tsunami (2004)*
  - *Hurricane Ike, Uganda Floods (2008)*
  - *Tropical Cyclone Aila, Zimbabwe Floods (2009)*
  - *Haiti Earthquake, Pakistan Floods (2010)*
  - *Japan Earthquake (2011)*
  - *Hurricane Sandy (2012)*
  - *Sierra Leone Ebola Virus Outbreak (2014)*
  - *Nepal and Ecuador Earthquakes (2015)*
  - *Hurricane Matthew (2016)*
  - *Hurricanes Harvey, Irma, Maria (2017)*
  - *Papua New Guinea Earthquake (2018)*
  - *Cyclone Idai (2019)*
  - *Haiti Earthquake (2021)*







# Tsunami Early Warning



- Iridium and our partners deploy many applications that assist in disaster detection and early warning.
- Satellite IoT technology is used for tsunami monitors in the oceans by organizations like the National Oceanic and Atmospheric Administration (NOAA).
- Early warning systems allow residents to prepare for disasters or evacuate, ultimately saving lives.





# First Response & Rescue



**Iridium® is the go-to solution for first responders – our devices support telemedicine in high-risk areas, critical communication and locational support for medivac rescues and supply drops, along with one-to-many communications for various first responder teams in emergency situations.**







# Sustainability in Space



**As a leader in the satellite communications industry and operator of the world's preeminent Low-Earth Orbit (LEO) satellite constellation, Iridium is committed to sustaining space for the future and serving as the leading example of what it means to be a responsible steward of space.**



- Close and constant communication with the U.S. Air Force Combined Space Operations Center (CSpOC).
- Help to develop content and data for the space catalog, a public resource used to track all space debris.
- Partners with CSpOC, the Joint Force Space Component Commander (JFSCC), the Conjunction Assessment Technical Advisory Council (CA TAC), and the Center for Orbital Debris Education and Research (CODER) to monitor and share our space traffic data.
- Work with various space leaders to educate and influence other organizations on the importance of space situational awareness.





# Environmentalism



**Iridium is committed to environmental causes all around the globe. From climate change monitoring, to carbon footprint reduction, to wildlife protections, our technology enables many solutions designed to help make the world a safer, cleaner place.**



## **Iridium supports environmentalism through:**

- Carbon Footprint Reduction through Aireon
- The Ocean Cleanup
- Polar Research Solutions
- Wildlife Protection Solutions
- Global Climate Monitoring Solutions

# Carbon Footprint Reduction



**Aireon helps reduce Green House Gas (GHG) emissions from commercial airline operations around the globe.**

- Commercial flights contribute ~2% of manmade CO2 emissions annually.
- Using Aireon technology, the aviation industry will be able to limit fuel emissions by improving operations in remote and oceanic airspace through more precise locating capabilities and optimal altitudes, speeds, and routes.
- According to a 2016 study at the Purdue University School of Aeronautics:
- “From 2020 to 2030, space-based ADS-B can make it possible to prevent approximately 14.3 million metric tons of CO2 from entering the atmosphere. This is the equivalent to removing more than 300,000 cars from U.S. roads each of those years.”



# Ocean Profiling & Climate Monitoring



- Governments and environmental organizations deploy ocean profiling floats that rely on the Iridium® network to transmit critical data from anywhere in the world.
- Floats measure ocean currents, temperatures, and salinity to help track climate change and the impact on the oceans.





# Anti-Poaching & Wildlife Tracking



**Iridium works with partners to deliver critical animal tracking solutions around the globe.**

- Track animal migration patterns
- Monitor rare wildlife species
- Alert rangers of urban animal intrusion
- Record images of potential poachers and discourage human disturbances
- Enable “Instant Detect” – a system designed by Zoological Society of London (ZSL) to tackle poaching







# STEM Education



**We are committed to supporting STEM education for the next generation of innovators. We're supporting youth across the world through educational and internship opportunities, community and global partnerships, and employee volunteerism.**



## **Iridium supports STEM Education through:**

- Group Volunteer Activities in Local Schools
- Smithsonian's National Air & Space Museum
- American Association for the Advancement of Science (AAAS)
- Loudoun County Public Schools STEM/IT Business Partnership
- Don Bosco Cristo Rey High School Work Study
- George Mason University "Take a Patriot to Work" Day
- Annual Bring Your Child to Work Day Programs
- Educational Tours at Iridium's Satellite Network Operations Center (SNOC)
- Annual Summer Internship Program

# Questions?

LEARN MORE AT  
[www.iridium.com/csr](http://www.iridium.com/csr)



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