

# What do you need?

There are four main areas you need to take care of when you are buying connectivity for use in the Developing World: DRASTIC can take care of some or all of them for you:

## 1. Connecting to the Internet by Satellite

To connect, you will need some equipment and a bandwidth service contract:

- VSAT system comprising
  - Antenna (reflector dish)
  - Mount for antenna
  - Feedhorn and Outdoor electronics
  - Indoor electronics
  - IFL Cables
- Bandwidth contract (usually 12 months minimum)

## 2. Stable and reliable power supply

VSATs are best left connected continually to the service. They require a clean, regulated supply of electrical power. They also need to be protected from lightning. You may therefore have to think about:

- Generators (gasoline / diesel / wind / solar / hydro)
- Storage of power (deep cycle batteries)
- Power switches
- Inverter / chargers
- Voltage regulators
- Lightning protection and earthing equipment

## 3. Networking

You probably need to share access to the VSAT connection using a network. DRASTIC can install wired and wireless networks, including long range wireless connections. This may involve:

- Cabling
- Routers / switches
- Wireless access points / hotspots / etc
- Masts / towers

N.B. We do not undertake the installation and configuration of servers.

## 4. Installation

We require that VSAT installers are qualified to standards set by the GVF (Global VSAT Forum), which is a body that represents the industry. We can either undertake installation ourselves or put you in touch with qualified installers. We also regularly conduct installation training to GVF standards.

**Be sure to ask us for all the equipment and services you need!**

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For more information about DRASTIC see [www.drasticom.org](http://www.drasticom.org) or email us at [info@drasticom.org](mailto:info@drasticom.org)