

# XRoads Networks

## XROADS NETWORKS CASE STUDY

### Pharmalink FHI – Health Care / Research

This organization and its parent company Family Health International was founded in the early 1970's and is now one of the largest international health and research organizations with field activities in over 70 countries.

“When zero downtime is a requirement, the Edge appliance provides an excellent solution in its geographic site failover technology. Built-in to the ActiveDNS module the geographic failover support ensures that even in the event of a complete site failure applications are still running.”

#### Project Overview

##### The Needs

Zero downtime, even in the event of a complete site failure. Must be able to seamlessly switch over from a primary site to a backup in the event of a major outage.

##### The Solution

Deployment of the XRoads Edge appliance.

##### The Results

Instant and automated failover, both between network links, and network sites. In the event of a network outage at the primary site the Edge appliances fail over to a secondary link. In the event of a full site failure the backup site takes over full domain resolution.

*XRoads Networks provides zero downtime with geographic site failover for international health research organization*

#### About This Customer

This customer is a large international health research firm which conducts clinical trials for its global pharmaceutical and regulatory agency customers. Pharmalink specializes in streamlining drug development through real-time data analysis.

#### The Challenge

Ensure 24/7 access to time critical drug study information even in the event of a complete site failure. Web-based applications must be accessible from anywhere around the global from two geographically dispersed locations.

#### The Solution

Utilizing the Edge appliance's ActiveDNS module with its built-in geographical redundancy the customer was able to ensure 100% uptime, even in the event of a major outage at one of the sites.

An Edge appliance provides full network redundancy between three links at each site. Between the sites each Edge appliance communicates with the other to ensure that even in the event of a site outage the secondary site is able to take over and provide access to critical application data. The Edge appliances also provide site-to-site tunnel services to improve nightly backups between sites.

*“Due to the nature of our business, it is critical that we maintain zero downtime in order to service our customers requirements. Any downtime is highly costly and must be avoided. The Edge appliance with its geographical failover capabilities enables our web-based applications to remain up and active 24/7 even when we need to perform site maintenance by failing over to our backup site.”*

**Malik Brown – IT Manager, Pharmalink FHI**