



# Case Study—Redundancy

**SkyNet is pleased to share our recent success in providing redundant connectivity for 2 of our Educational Partners.**

## The Challenge ...

This case study includes 2 Post Secondary institutions in Ontario.

These 2 customers came to us with a common problem. Their network topology was designed for redundancy and emergency preparedness, but did not allow for a complete failure from their ISP. The cost of having a secondary connection was excessive and they needed to consider some options.

### Summary of pain points ...

- 2 separate institutions, approx 12 km apart, separated by typical urban city structures.
- Mission critical data—high capacity needed
- Sensitive nature of information
- High monthly cost for connectivity
- Need for redundancy and preparedness

## The Solution ...

For this client SkyNet was able to design and engineer a solution that exceeded their expectations, and was installed on time and on budget. The backhaul link that was installed was designed for 99.999% availability, included advanced security measures, and provided 100 mbps of throughput, with less than 5ms latency. This client now had a robust solution that fully supports their WAN needs as they move forward. The installed solution included custom designed roof mount towers at each location, and since these institutions have connectivity from 2 independent ISP's, SkyNet's solution provides a functional backup link that will allow the facilities to share connectivity in the event that there is an interruption at either facility.

## Technology Overview ...

**Capacity** - SkyNet backhaul solutions start at 10 mbps and can scale as high as 1000 mbps. Some of these solutions are software upgradeable to the solution can grow to meet your needs. Our solution span distances up to 40KM apart.

**Security** - SkyNet Solutions are designed with the highest security. We employ AES at a minimum, and many of our solutions incorporate a proprietary security that includes mac addressing and 64 bit encryption that changes with each burst of information.

**Availability** - SkyNet solutions are engineered and designed for 99.999% availability. We work closely with our vendor partners to ensure that our solutions include enhanced NBD warranties to ensure the end result is robust and reliable.

### Special points of interest:

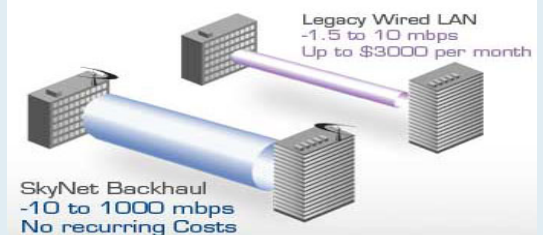
- Wireless Point to Point
- LAN Extension
- High Capacity
- Educational Facilities
- Voice, Video, and Data requirements for future
- Scalable Solution
- Security for sensitive data
- High availability for mission critical connectivity
- Redundancy for emergency preparedness.
- 2 Independent ISP's

### Contact Information

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### Backhaul Solution

#### Bandwidth Comparison SkyNet Broadband vs. Legacy Wired



#### Cost Comparison SkyNet Broadband vs. Legacy Wired

