



Secure Resilient Networks

Wired & Wireless

A new way to secure your Internet connection

Most network managers recognise that spreading their connectivity over multiple service providers offers some form of resiliency. However, this only covers problems that happen within the service provider's environment. Issues that arise in the customer's own communications room, along the ducts servicing the building or at the local exchange will affect all the service providers. CI-Net offers a different approach: Wired & Wireless, providing superior resiliency.

Improving resiliency

While it is possible to invest in secondary ducting to service critical locations, this is simply cost prohibitive for most organisations. CI-Net has developed a solution based on its own RedKite wireless technology, which can dramatically improve the resiliency of your network.

By connecting your building through the air to a CI-Net access node and routing this back to the CI-Net core network infrastructure you can achieve a truly diverse route. The low set-up costs of this solution means that it is a cost effective option for any organisation that wants to reduce the risk presented by a single route and the corresponding single point of failure.

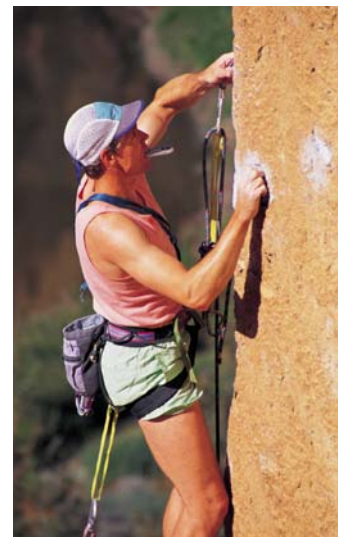
Active-Active configuration

For added peace of mind, CI-Net recommends primary and secondary connections which terminate at different CI-Net locations. These are configured in an Active-Active manner so that both are used all the time for day-to-day business activity.

CI-Net network designers work with our customers to determine the optimal mix of circuits needed to support each customer's individual needs. StoneGate routers are used to balance the traffic across multiple links, which can be of different bandwidths and from multiple ISPs. In addition to load balancing, the StoneGate will automatically switch over to the live link in the event of an outage, and once this has been rectified the load will be automatically rebalanced.

By using both connections every day the risk of the 'spare' back-up link not working on the day it is most needed is removed. And, with no connection sitting idle you can make use of all the bandwidth available to you. CI-Net can use standard IP technologies along side other WAN solutions to enable you to augment your current infrastructure or carry out a phased migration from an expensive proprietary network to an open IP infrastructure.

Having more than one point of connectivity removes the risk of losing access to business critical systems. A Wired & Wireless solution based on RedKite technology brings you a truly resilient solution.



Please contact us for further information

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Our customers tell the story

Walker Books

Britain's leading independent children's publisher, Walker Books, selected RedKite wireless connectivity to provide true Internet resiliency.

An investment in a new publishing system led Gudrun Claeys, IT Director of Walker Books, to re-evaluate the integrity of their Internet provision. The system needed to be accessed by staff throughout the Walker Group and with users based in London, Boston in the US and Sydney, Australia 24/7 availability was essential. Previously two leased line Internet connections were in place – one 10Mb connection and one 2Mb back up. "Both lines came into the building via underground cabling," explains Claeys. "If there had been a problem, for example the line being severed during road works, both lines would have been affected and our users would have had no access to this business critical system, a situation we needed to address quickly."

RedKite wireless connectivity is already live in Central London and delivers the power of a leased line through the sky – offering the true resiliency Walker Books needed.

"Only 10 days elapsed from the time of placing the order to RedKite installation – that's so much faster than we expected," states Claeys.

Initially Walker Books used RedKite solely as a backup to their main Internet connection. However by adopting a 'wired & wireless' approach they can now begin to load balance between the two lines so that the optimum performance is realised.

This solution, with automated line balancing and fail-over in the event that either of the connections fails, will enable Walker Books to maximize their investment and will ensure that both lines are always fully working.

Other CI-Net Wired & Wireless Customers

Simmons & Simmons
JDS Ltd
Michelmores Solicitors

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