



Case Study

Point-to-Point Microwave Communications

Client

This global provider of 4G wireless broadband provides end-to-end solutions for mobility and fixed network applications, supported by comprehensive network management software, energy-efficient site infrastructure and world-class professional services.

They are in the business of offering a broad range of innovative, field-tested wireless solutions and services to enable service providers around the globe to transform and expand their networks to support the dramatic growth in broadband services.

Their complete end-to-end solution encompasses wireless access and subscriber devices, high-speed wireless backhaul, and core wireless service network elements, along with an umbrella of network management and service assurance software. In fact, their turnkey network services capability enables them to design and deliver a completely engineered and optimized network solution, anywhere in the world.

You might recognize their marquee customers around the globe, including global Tier 1 mobile carriers such as France Telecom/Orange and Vodafone, as well as key regional operators such as MTN Group and Zain in the Middle East and Africa.

In North America they supply major carriers such as Verizon, Sprint and AT&T as well as an extensive customer base amongst local/state/federal government organizations, energy, utility and railroad companies.

Challenge

Our client needed to power communication towers for radios used for emergency communications such as 911 applications. Due to the secure nature of their equipment, they needed to specify a power supply to keep their equipment alive and reliable with back-up capabilities.

In addition, they require that their solutions enable broadband mobility network operators to avoid the coming bandwidth crunch, and with a lower total cost of ownership compared to other alternatives, such as fiber and leased lines.

Finally, they needed to power communication to rural and other underserved communities in America, driven by more than \$12 billion in stimulus funding available for broadband, information technology and smart network applications.



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Solution

Wall Industries designed a tailored power supply supporting redundancy, failover, and lower failure rate for improved reliability.

Wall also had the challenge of complexity when supplied with a specific chip set to integrate into the design. In addition the customer saved about 43% per unit.

This win-win scenario keeps this client uniquely positioned in the market by their agility, reliability, and leading-edge technology innovation. This enables us to anticipate, observe and adapt to changing market trends to develop the right solutions that will meet our customers' needs both now and in the future.