

Case Study – SP Ausnet

- World's First WiMAX-Based Smart Metering
- 680,000 Smart Meters
- Up to 40X More Devices per Sector



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Business Driver and Applications



Project Driver:

Victorian Government mandated electricity companies to provide 2 way communications with their consumers by 2013

Delivering Challenging Requirements

1. 100% meter population Read in 2 Hours
 - ☀ Up to 8,000 meters per sector
 - ☀ 25,000 Daily Reads
2. 15,000 On-Demand Reads per day
3. 1000 meters Remotely Reconnect in Only 10 minutes

Applications

Current Suite	Future Applications
Meter data aggregation and collection	Distribution Automation
Load Control	Mobile Workforce Management – Field Mobility
Remote De-Energize / Energize	Thermal Imaging
Load Balancing	Security

Case Study - SP AusNet 5 Factors for Smart Grid



- **Delivered WiMAX Based Solution**
 1. Security – Inherently Secure, Protects Utility and Customers
 2. Standards Based Technology – Leads to Lower Device Costs
 3. System Reliability – Carrier grade, High Availability Features
 4. Supplier Assurance – Assures Long Term Support, Reduces technology risk
 5. Spectrum – Licensed Spectrum Eliminates interference caused system outages

SUMMARY

Smart Grids are a significant new revenue opportunity for carriers

WiMAX is the optimal access technology for Smart Grid

WiMAX Technology provides the products, services and know-how that operators and Utilities need to capture Smart Grid revenue opportunities