

>BUSINESS MADE SIMPLE

WiMAX Case Study: NETAGO

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ITU-BDT Regional Seminar on Broadband Wireless Access (BWA) for rural and remote areas for Africa

Yaoundé, Cameroon, 18-21 September 2006



Objective



> Provide an overview of a Nortel WiMAX trial in rural Canada



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Outline



- > Background on service area
 - where it is
 - the Special Services Area Board
 - a few photos ...
- > Background on Netago Wireless
- > Why Netago chose WiMAX
- > Trial is a success!
 - video



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A Few Facts on Special Areas

- > Population: 12,000: growing across Alberta except for Special Areas Board (SAB)
- > Area: 8,000 square miles (20500 sq. km), arid terrain
- > Industries: farming, ranching, oil and gas
- > Objective: attract new businesses and families to SAB, retain future generations



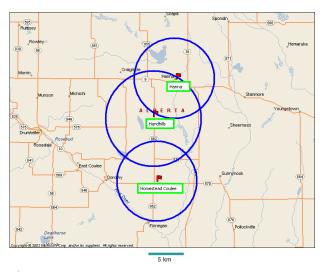
Broadband services is a missing critical economic driver



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Initial Trial Service Area





The NETAGO WiMAX network operates in the 3.5GHz band and will be made available to ~80% of SAB residents by the end of summer 2006, extending the service area of the Alberta SuperNet Project

vww.albertasupernet.ca

which is a provincial government initiative designed to bring affordable broadband services to ~4,200 government, health, library and educational facilities in 429 communities across Alberta.



Special Services Area Board - Synopsis

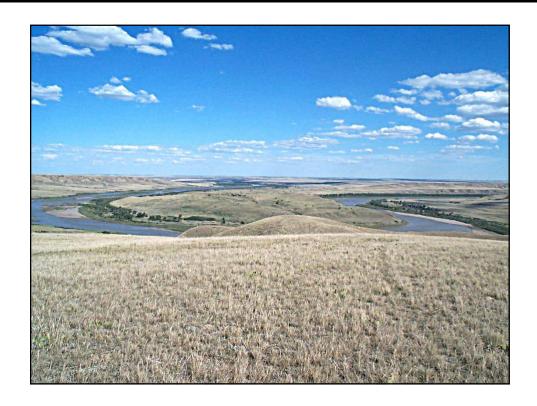


- > Special Services Area Board (SAB) is a unique rural municipal area covering ~2.1 million hectares in southeastern Alberta.
- > Responsible for administration for all municipal services plus leasing of public lands in the area. 60% is public land leased for grazing, cultivation or irrigation. SAB also operates 5 community pastures: grazing for 9,000 cattle.
- > Responsible for all local roads, comprising some 5,000 miles (8,000 km) within the area.
- > Set up for land use control in the 1930s, continues to operate the area for the betterment of the land and the people from within.

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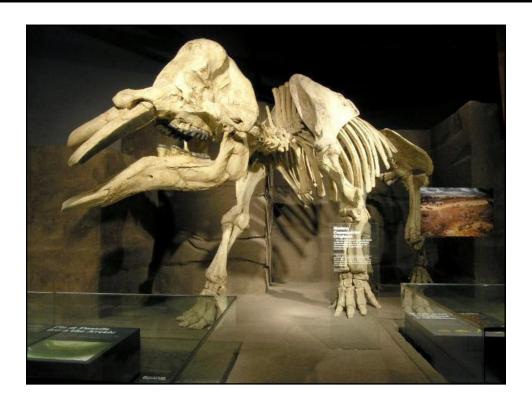




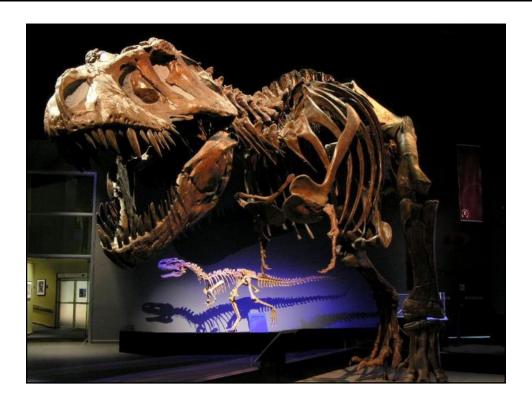












Creating NETAGO Wireless



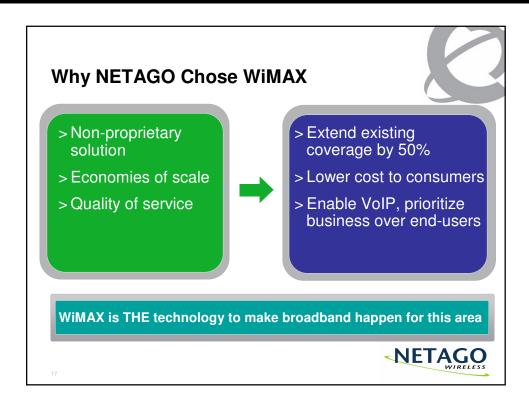
- > 2003: Netago Wireless opens doors
- > 2004: Options for broadband connectivity remain cost prohibitive
- > 2005:
 - Alberta SuperNet launches fiber connections for all of Alberta
 - Netago establishes partnerships
 - Upstream provider: Alberta SuperNet
 - Municipal government: Special Areas Board
 - Equipment manufacturer: Nortel
- > 2006: WiMAX trial and network launch



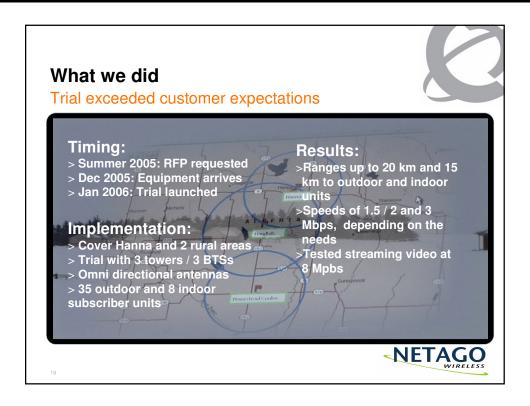
Partnerships are essential to make the impossible probable



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Success Stories

- > Residents: office from home, online banking, distance learning
- > Ranchers: agricultural research, buy/sell cattle
- > Oil company: company LAN speeds of 2 Mpbs increased work productivity
- > Calgary Stampede: 2 Mpbs enables transfer of highbandwidth data





Customers are delighted

NETAGO

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Video 2







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Learnings and Advice



- How do you get it?
- Partners can help
- Work closely with Regulator
- > Services, such as site engineering and selection
 - Wireless experience is a major plus
- > Partnerships
 - Relationships can make it or break it





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What's Next?

- > Commercial launch summer 2006
- > Expansion beyond SAB area
- > Trial new technologies with Nortel





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Thank you! Merci!