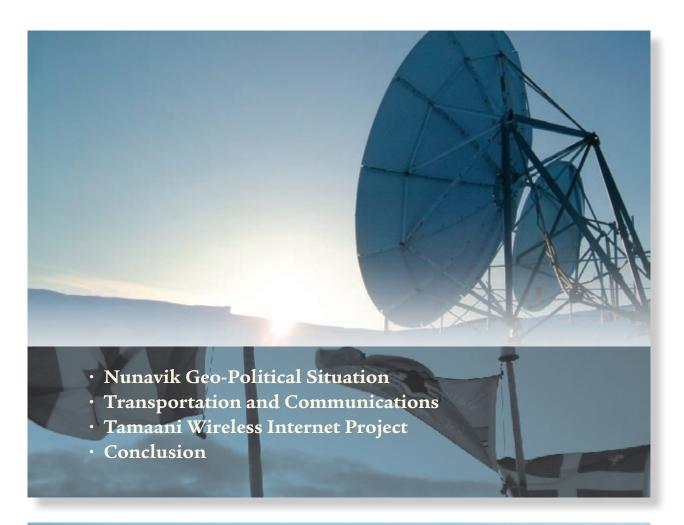
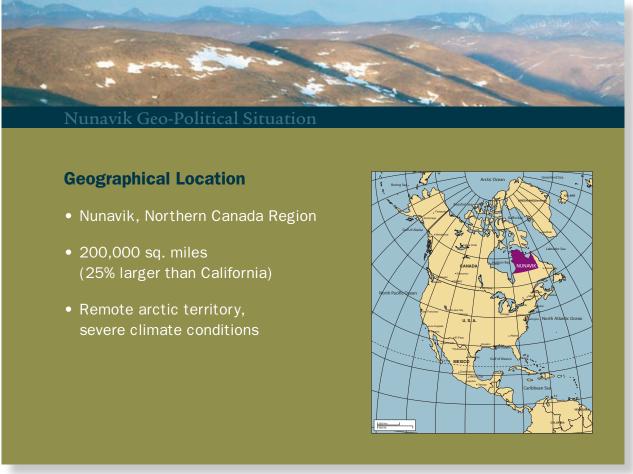


Tamaani Wireless Internet From Dream to Reality



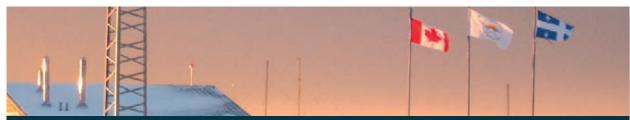




Nunavik Geo-Political Situation

Population

- 11,000 permanent residents
- 14 villages varying in size from 180 to 2,500 inhabitants
- 60% of the population is under the age of 25
- 90% of the population speaks Inuktitut as mother tongue



Nunavik Geo-Political Situation

The Kativik Regional Government

- Created in 1978 following signing of JBNQA agreement
- Supra-municipal body governing public services











Transportation

- No roads or railways
- Transportation done by airplane or sealift
- High cost of transportation









Transportation and Communication

Communications

- Communications done via satellite (data, voice, video)
- Regular phone service available since 1974
- Only possible way to connect to Internet was at slow speed (9,600 bps) at a cost of \$0.20 per minute
- Telco broadband services not available in the region



Historical Background



- 2000 Kativik Regional Government takes leadership in bringing broadband to Nunavik
- 2002 Financial agreements signed
- 2003 Deployment of satellite earth stations in 14 communities
- 2004 Deployment of wireless distribution system and launch of Tamaani Wireless Internet



Tamaani Wireless Internet Project

The Last Mile





- No bidirectional cable available, no DSL, no ISDN
- Public wireless technologies (802.11 or other) not reliable or efficient, limited market penetration (external antennas, LOS needed, prone to interference)
- MMDS solution most adequate
 - Easy to install and support
 - True Non Line-of-sight
 - Full coverage in 14 communities
 - Allows roaming with other canadian Nunavik communities



Conclusion

The Benefits

- Accessibility of services
- Significant opportunity for improved bi-directional communications
- Socio-economic development
- Education, TeleHealth, TeleJustice,
 Videoconference
- Tourism









Our Partners

We wish to thank all partners that have helped us along the way:

The Government of Canada – Industry Canada

The Government of Québec – Regional Development

Knet

Inukshuk JV

Soleica inc.

SSI Micro

Telesat



Industry Canada Industrie Canada













Contacts



www.tamaani.ca



www.krg.ca



Industry Canada

Industrie Canada

www.ic.gc.ca



www.mderr.gouv.qc.ca



www.knet.ca



www.inukshuk.ca



www.soleica.ca



www.ssimicro.ca



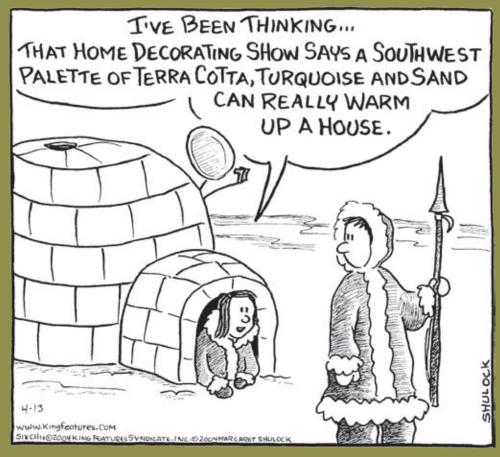
www.telesat.ca

Notes

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After the satellite dish, life got complicated.