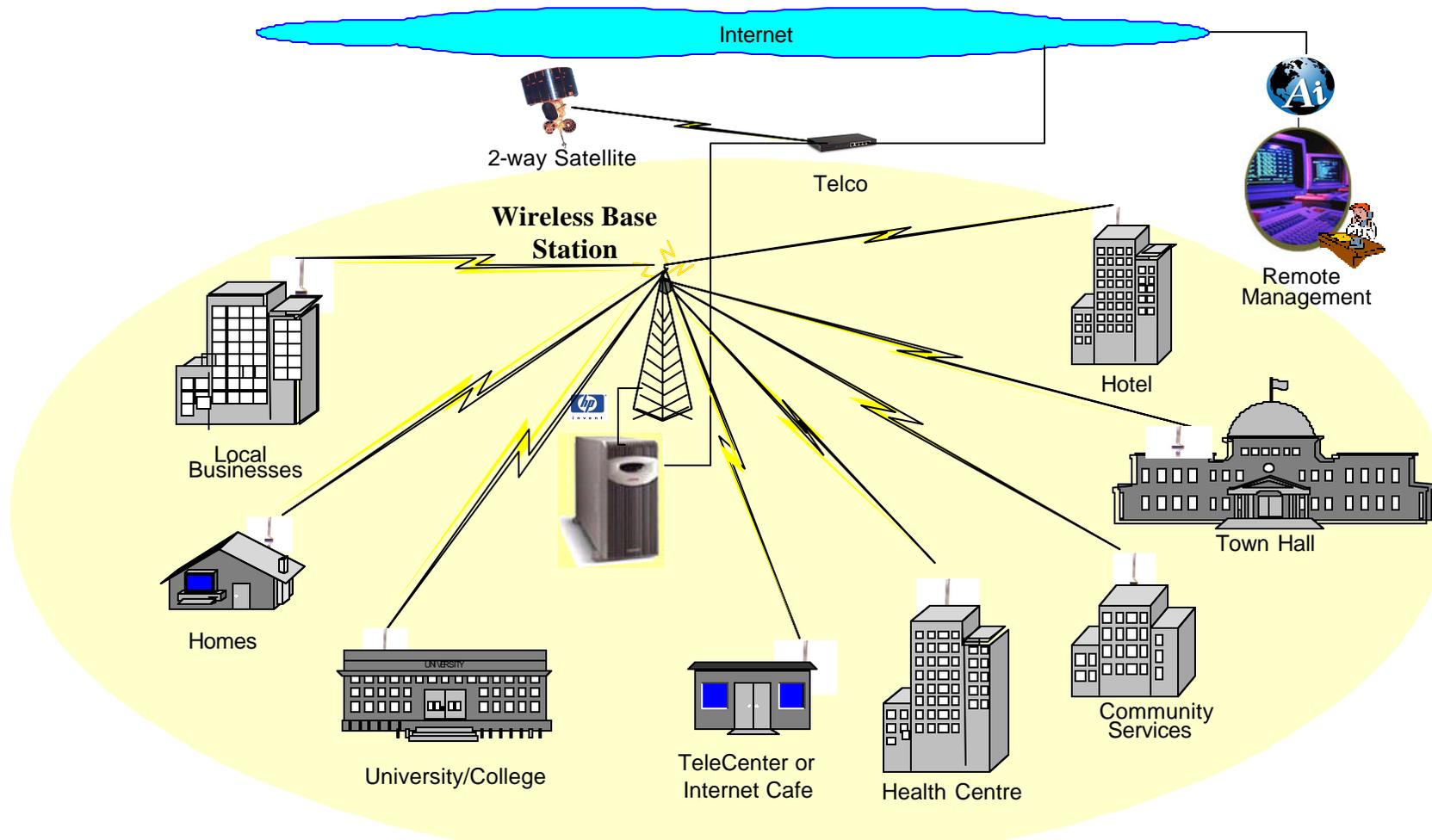




# Community Access



The Rural Satellite Forum January 27, 2003

Advanced Interactive, Inc. - Karim Lakhani, CEO

[www.advancedinteractive.com](http://www.advancedinteractive.com)



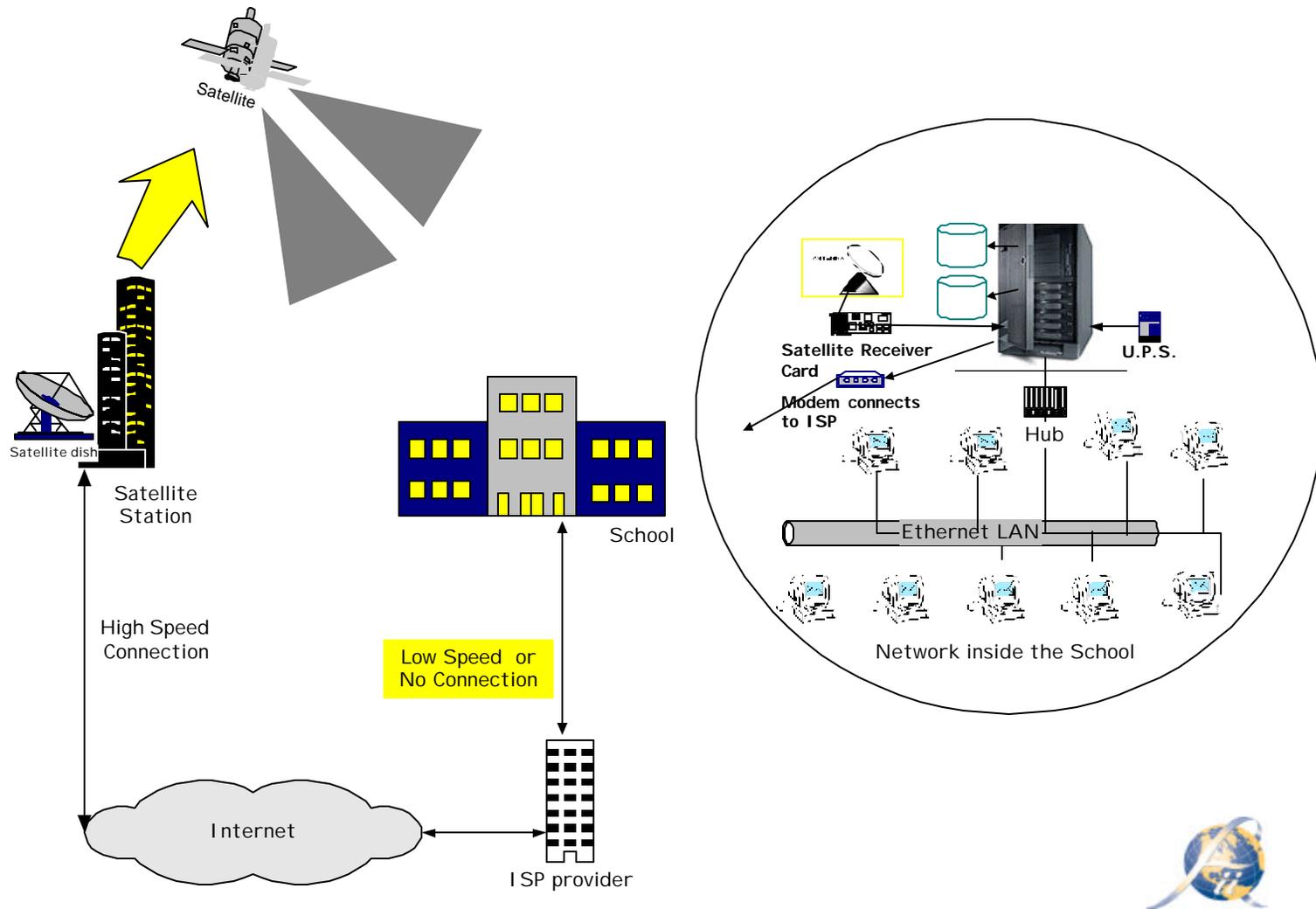
# Communications Problems in Rural Communities

Rural markets are underserved

- Limited existing infrastructure
- ? Infrastructure is expensive to implement
- ? Small population base spread over a large area
- ? High cost of Internet provision
  - Satellite feeds - expensive
  - T1 Lines - costly fixed overhead (regardless of subscriber base)
- ? Available bandwidth is low for media-rich content
- ? Conventional networks require high maintenance



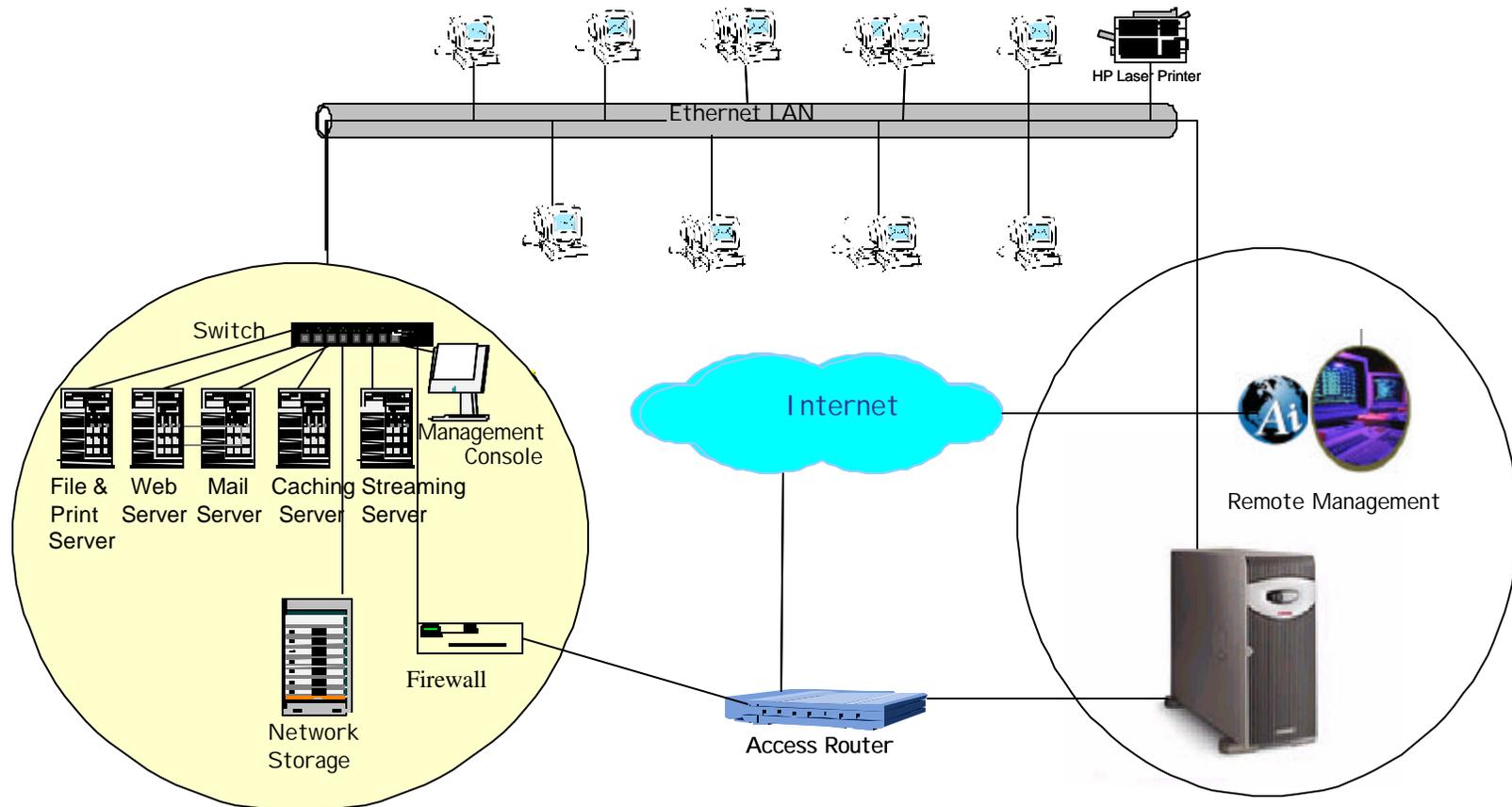
# SchoolWeb Overall Concept





# Server Consolidation

Totally integrated system..



...in a single *remotely managed* server



# Gitksan Network

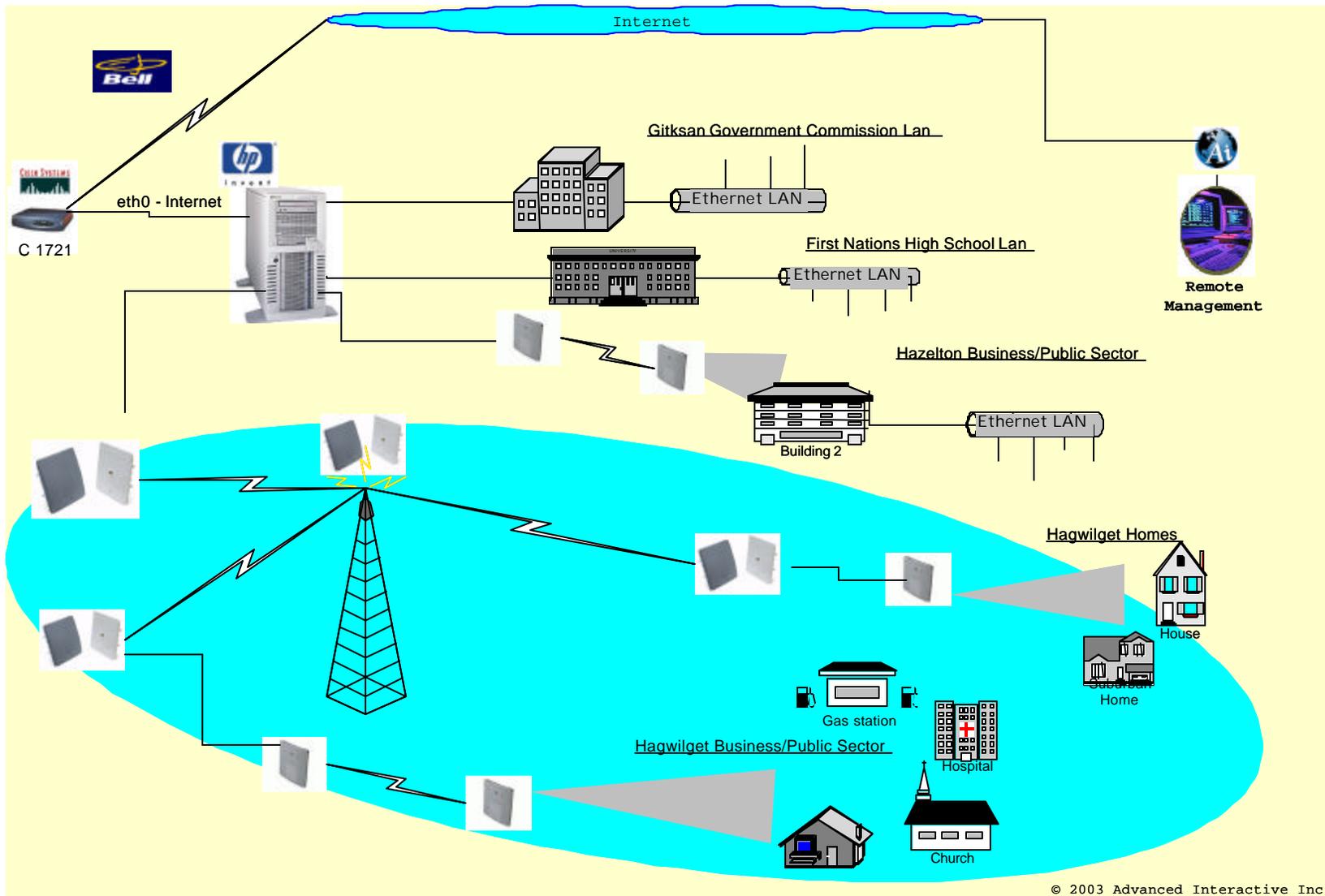
- ? **Wired/Wireless Network**
- ? **Connects 4 Communities**
  - 6600 people
    - ? enabling e-access for all
  - 6 Km apart
  - 4 Schools, Bank, Library, Health Clinic, Government Offices, Local Businesses, & Residences



- Connectivity
  - T1 link
- ? Partners in Gitksan Network
  - HP, Bell Canada



# Gitksan Network Topology



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# Gitksan Network

## ? **Compelling and Scalable**

- Total Cost of Ownership is low
- Gitksan Government is now its own ISP
- Low maintenance cost
- System remotely managed by Advanced Interactive
- Does not require on-site technical stewardship
- Local person is trained to operate and expand system
- Jobs created

"This breakthrough in technology represents participate in the emerging e-economy and share and preserve their language a great opportunity for Indigenous Peoples to enable Elders, parents, teachers, students, and businesses to actively and culture."

Matt Vickers, CEO, Gitksan Government Commission



# Sustainability Model

Community-based ISP

Community Service Bureau  
to local organizations

Capacity Building  
i.e. local Tech support  
for community users

Community Center-based  
Internet Café

Economic Development  
e.g. Hospitality

Proven model  
- Bella Bella, B.C.



Thank You



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