WIRELESS

Bring Together "Islands" of Users
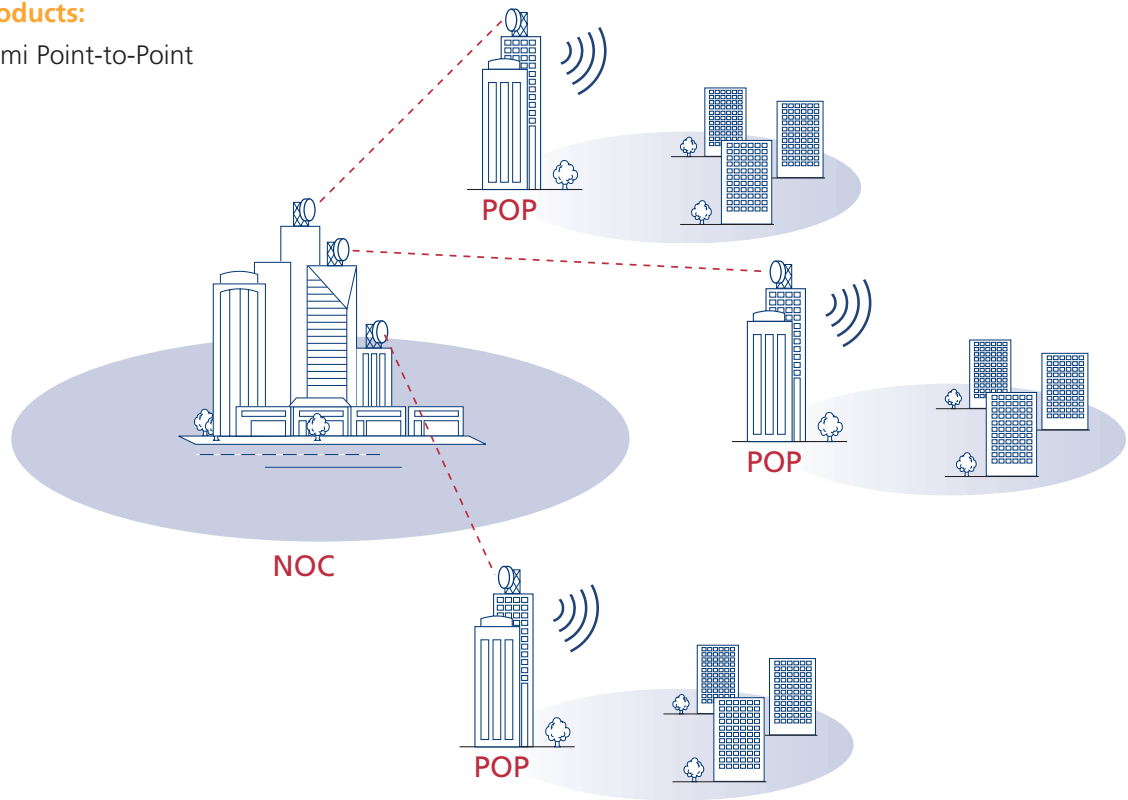
The challenge:

According to the US Agency for International Development, in 1998 roughly half the world's population resides in urban areas. Cellular coverage is not yet seamless – for urban dwellers but even more so for rural dwellers. Outside the mainstream coverage zones, both data and cellular networks have grown around populations, and have formed network "islands." This can be due to a vast expanse of harsh or remote landscape, or actual offshore island geographies. Short of trenching cable underwater or across plains, connecting the community networks punctuating the landscape is impossible using traditional wired backhaul.

The solution:

High-bandwidth wireless connections go where wires cannot. Using wireless point-to-point systems, service providers can aggregate enough network capacity – choosing from the breadth of Proxim point-to-point wireless products – to reach over many miles from multiple linked Points of Presence to a network backbone. Examples include linking cellular towers across a vast expanse of harsh Canadian landscape, connecting municipal networks on the Puerto Rican islands or connecting offshore oil derricks back to a central research and control site. Wireless links are engineered with up to 99.999% reliability, even in dense fog, snow or rainfall.

The products:

• Tsunami Point-to-Point
• Lynx

POP

POP

NOC

POP

PROXIM
WIRELESS NETWORKS

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