

# Xtera Communications

AscenLink's application for 3G  
in South America



**XTERA**™

July 2008

# Why 3G is popular in South America?

## Infrastructure

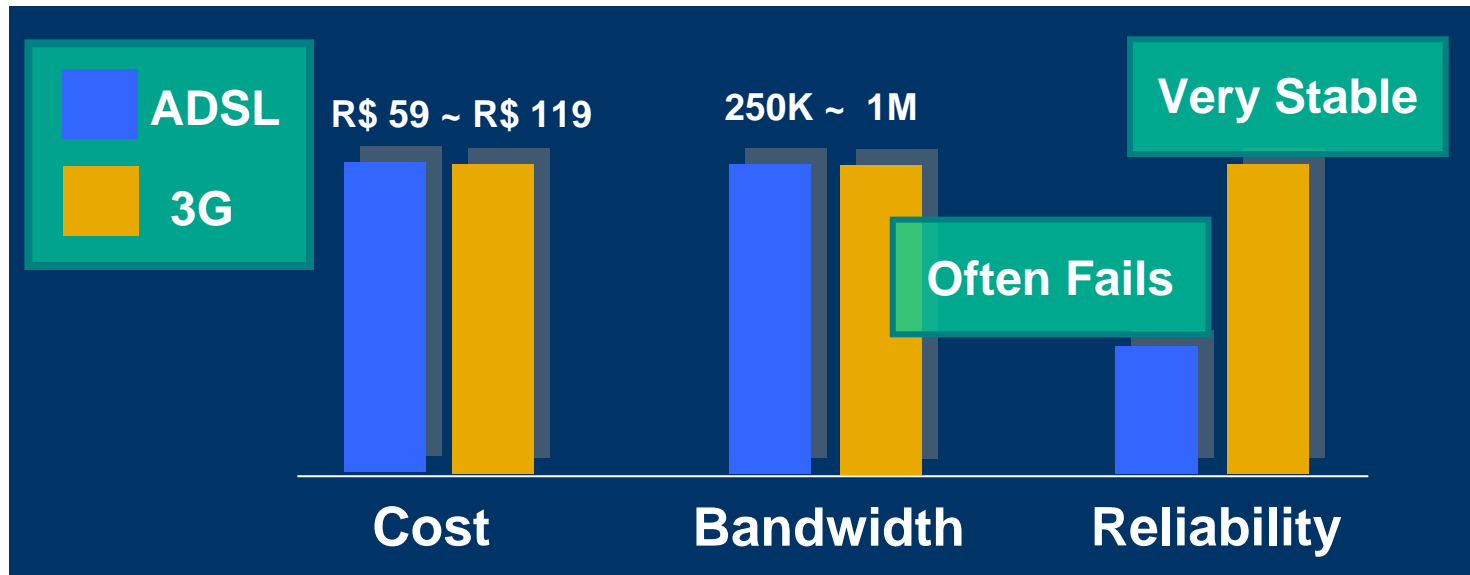
- DSL is at primitive stage
- 3G has more advanced infrastructure

## Reliability

- DSL and leased line are unstable
- 3G is more reliable

## Cost / BW

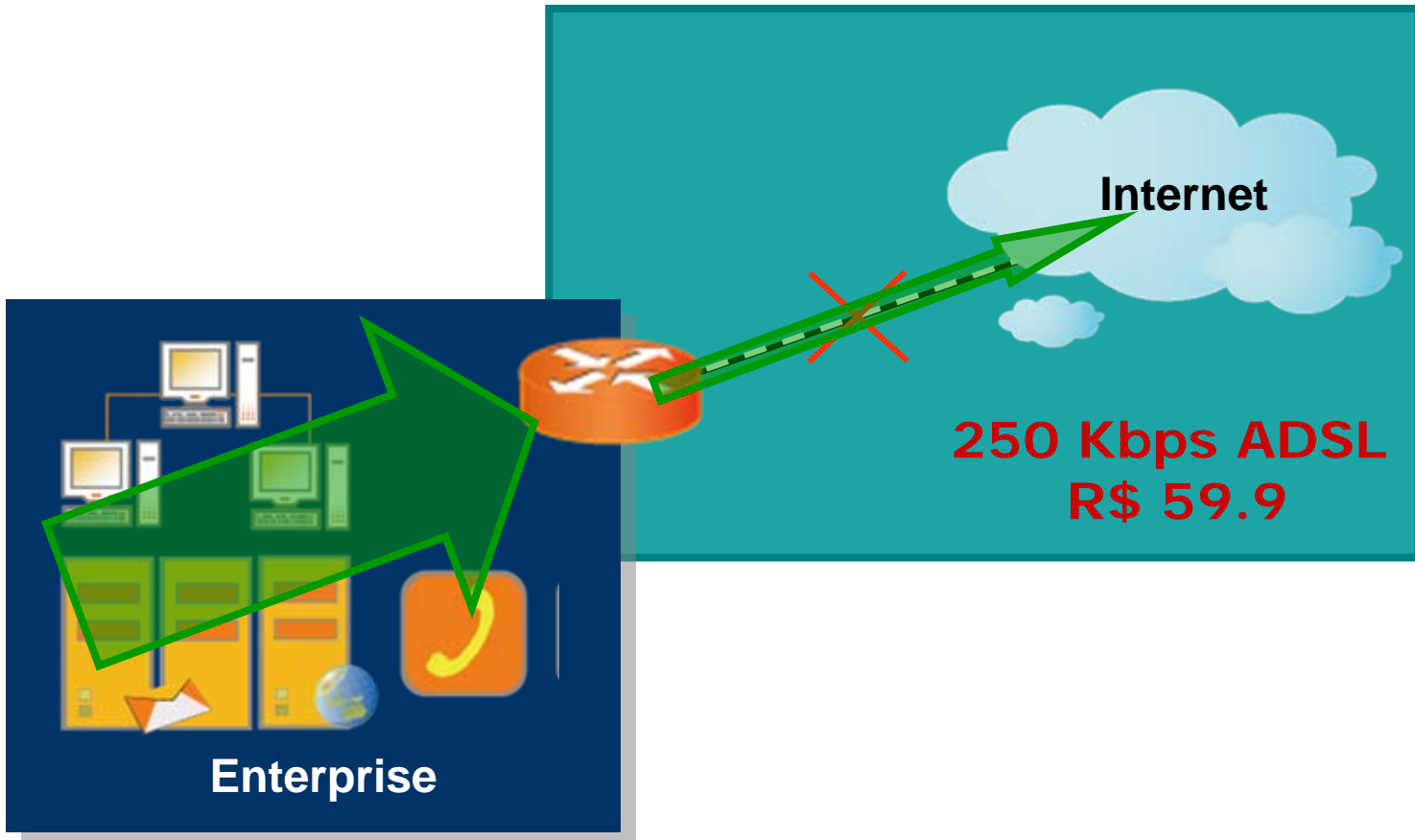
- The cost and bandwidth of 3G is similar to DSL



# Challenges in Reliability and Performance

## The challenges for enterprises with only fixed lines:

- Reliability of fixed line is a serious issue
- Insufficient bandwidth

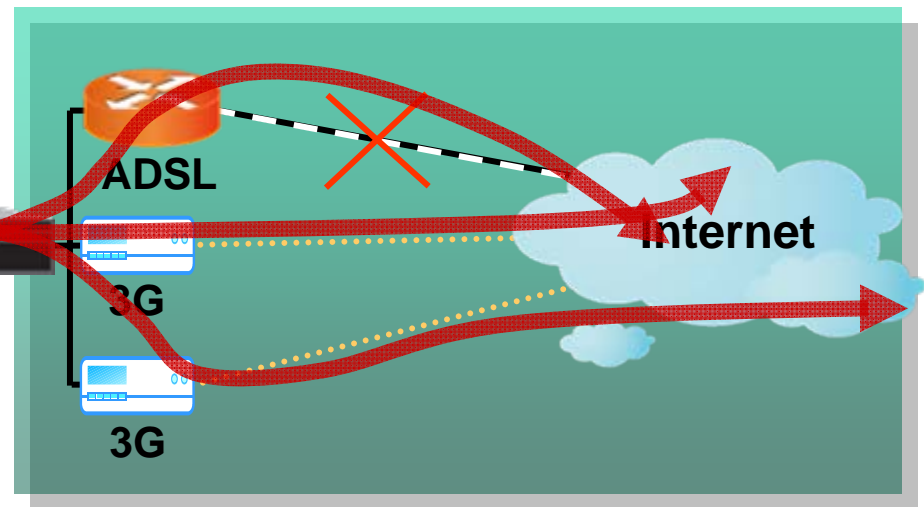
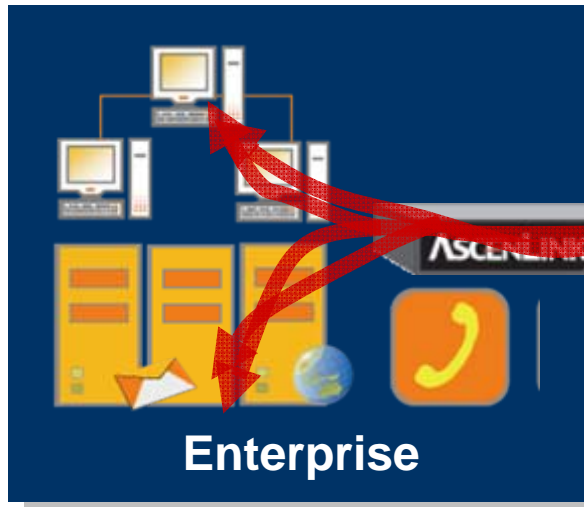


## The Intelligent WAN Load Balancer



## For Better Reliability

- Fixed line + 3G
- Auto WAN State Detection
- Multihoming (fixed IP required) between fixed line and 3G
- Inbound / Outbound Fault Tolerance



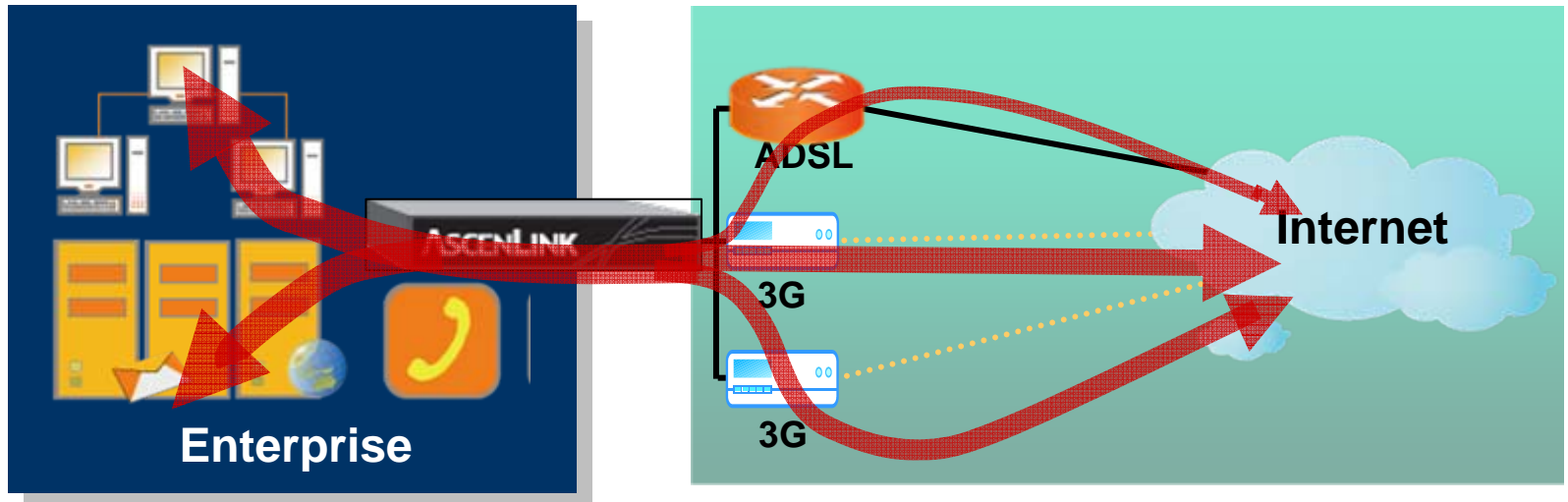
# Xtera AscenLink Solution Overview

## The Intelligent WAN Load Balancer



## Better Performance

- Fixed line + 3G
- Auto Routing + Bandwidth Aggregation
- Inbound / outbound WAN load balance between fixed line and 3G



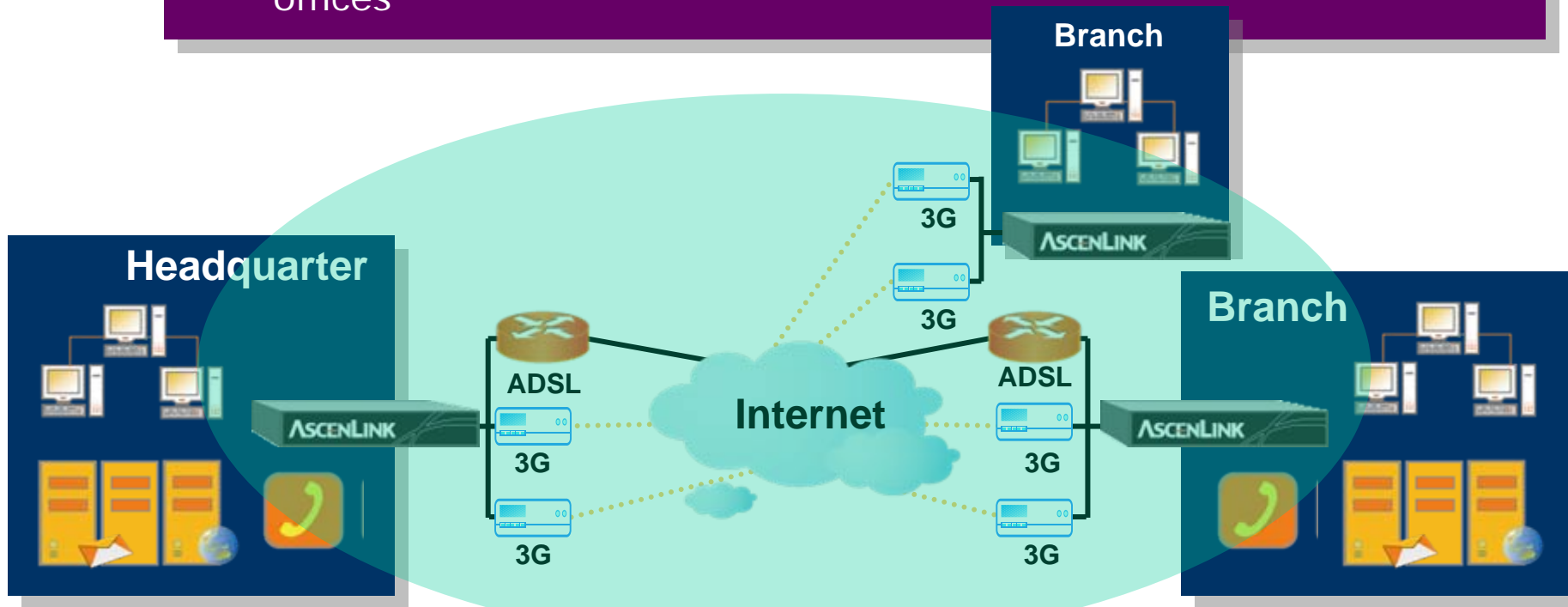
# Xtera AscenLink Solution Overview

## The Intelligent WAN Load Balancer



## Improves HQ and Branch Communications

- Tunnel Routing
- TR uses both fixed line and 3G to construct Intranet
- Increases the reliability and network performance between branch offices



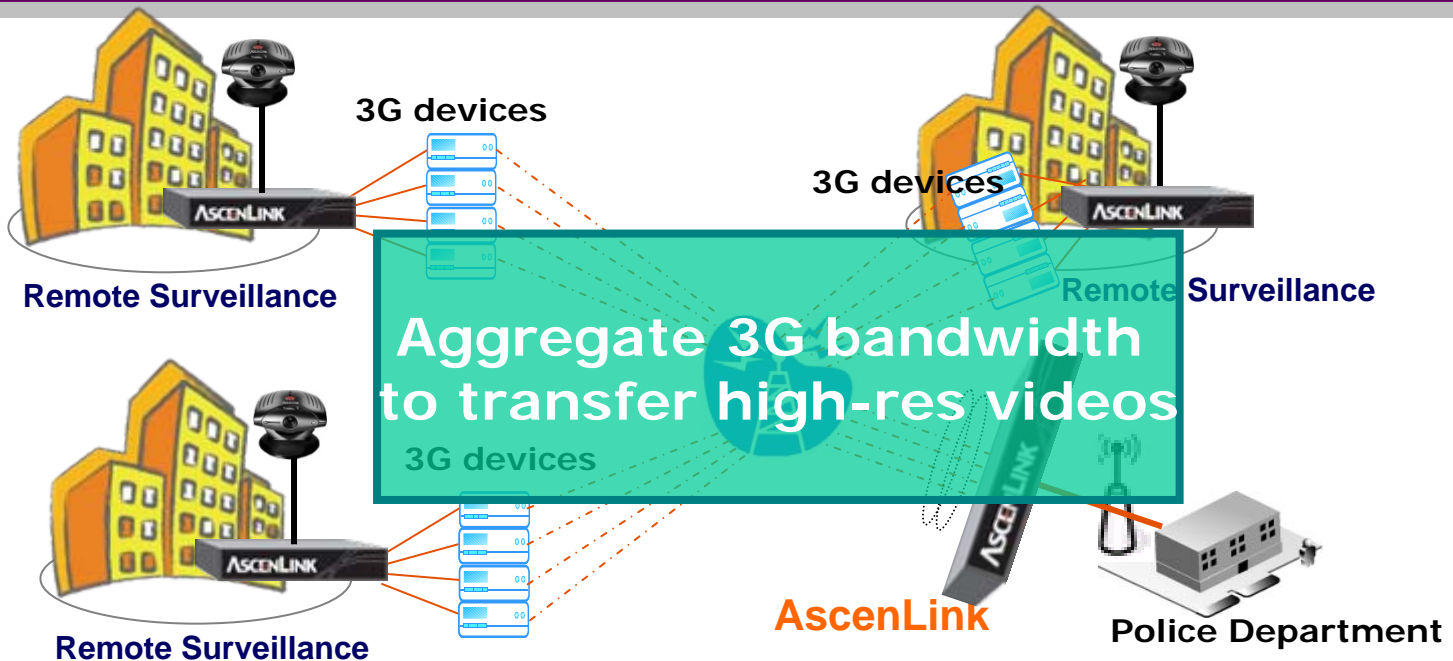


# Benefits of Using AscenLink

- 24 x 7 Uninterrupted Service
  - Auto WAN status detection
  - Auto failed over
  - Greater reliability
- Increase Performance of Data Transmission
  - Aggregate bandwidth via multiple WAN links
  - Efficient usage on WAN links
- Reduction of Opex
  - Reduce maintenance costs
  - Reduce damages caused by failed link
  - Improved overall performance

# Remote Surveillance Video

- **Application**
  - Remote surveillance without fixed lines
  - Real-time video transmission through 3G
- **Challenge**
  - Needs higher 3G BW for high-resolution videos
- **Solution**
  - AscenLink **Tunnel Routing** - Trunk multiple 3Gs to provide stable and high-quality video transmission



# Mobile Surveillance Video

- Mobile video transmission through 3G
- AscenLink **Tunnel Routing** - Trunk multiple 3G to aggregate bandwidth for high-res video transmission

