What Inveneo Does

• Who we are
  • Both a non-profit and a silicon valley startup
  • Not an aid organization, though many of our clients are
  • 65 projects in 14 countries so far
• What we provide
  • Design and integration
  • Installation
• What are ICTs?
  • Computing
  • Internet access
  • Telephony
• How can ICTs help rural and remote areas?
Healthcare
Rural Hospital
Burera District, Rwanda
Economic Development

Handmade Baskets
Bukuuku, Uganda
Relief
Coope IDP Camp
Northern Uganda
Rural ICT Challenges

- Unreliable, expensive power
- Harsh environments
- Expensive connectivity
- Novice users and administrators
- Lack of professional IT support
A Case Study
Groupe Scolaire de Muhura
Computer Lab, Rwanda
GS Muhura Power System
October, 2006

Groupe Scolaire de Muhura
Eastern Rwanda
GS Muhura Computer Lab
November, 2005
Groupe Scolaire de Muhura
Eastern Rwanda
GS Muhura Power System
November, 2005

Groupe Scolaire de Muhura
Eastern Rwanda
Our Technology
School ICT Center Example
Computing

• Inveneo Computing Station
  • Ultra-low power (18W peak)
  • Compact size
  • No moving parts
  • Inveneo Desktop Linux

• Inveneo Hub Server
  • Ultra-low power (25W peak)
  • Inveneo Hub Linux

• Everything runs on 12VDC
**Inveneo Desktop Linux**

Applications and OS are stored on a read-only filesystem. Changes are redirected to RAM disk. Restart returns the system to its known, configured state. Only administrators, with admin password, may un-freeze system. Documents can be saved to Hub Server, USB drive, R/W area on HD models.

- **Benefits**
  - Users cannot install or remove software—no viruses, spyware, trojans.
  - Immune to corruption from power-disconnect
  - If system is misconfigured, simple restart returns to a clean state
- **Summary:** Keeps systems operating well with zero software maintenance
Configuration System

User and Machine configuration including: Printer settings, application preferences, browser bookmarks etc... may be saved with an admin password.

Configuration can be removed, returning system to a pristine “Factory” setup.
Automatic Configuration Cloning

With a Hub Server running Inveneo Hub Linux, the configuration from one station can be automatically sent to all networked stations.
Regional Network Example

Applications for rural clinics:
- Consultations
- Advice
- Emergencies
- Training
- Research (Internet or database)
- Record keeping

Improved Communication

Rural Clinic 1
Wireless

- Consumer 802.11b
- Outdoor enclosures
- High-gain directional antennae
The ICIP Program
Building the human infrastructure to deliver ICTs
Program overview

• Program
  • Recruit skilled in-country ICT entrepreneurs
  • Certify using applied classroom and hands-on training
  • Deliver direct access to relevant ICTs
  • Provide ongoing support

• Objectives
  • Create a global pool of ICT talent focused on rural solutions
  • Improve overall affordability and sustainability of projects
  • Create new revenue opportunities for entrepreneurs
  • Grow the local ICT economy

ICIP Training | Cameroon, December 2007
ICIP Program Benefits

• For entrepreneurs
  • Learn valuable skills
  • Get access to appropriate ICTs
  • Real and immediate revenue opportunities
  • Continuing support revenue
• For client organizations
  • Locally available installation and support
  • Lower costs
• For Inveneo
  • Provides the engine for accelerated social impact

James Wire, Linux Solutions | Uganda
Thank you.