

Applied Information Technology Forum on HIV/AIDS and Health Care Delivery

**Options for Healthcare Delivery in Africa. Using Applied
Information and Communications Technologies:
Practical Realities, Potential Futures**

**Sponsored By
CCA, Bridges.org, BroadReach Healthcare, DGF and Voxiva**

Moderator: Dr. Olu Olatidoye



Visit the TTI web site at <http://www.ttics.com>

CCA Applied Information Technology Forum

Panel 1: New Options for Healthcare Delivery in Africa Using Applied Information and Communications Technologies: Opportunities and Realities, Voices from the Field:

Facilitator: TTi

- ***Bridges.org*: An assessment of what is working and why in the African context.**
- ***Voxiva*: Reaching the bottom of the pyramid with healthcare: implications for improving healthcare delivery in Africa**
- ***WIRED*: Using information technology to deliver medical and healthcare information: The Iraq experience; HIV/AIDS community outreach for kids. Wiring Kenya**
- ***DELIVER Project, JSI*: The potential for SmartCard Technology**

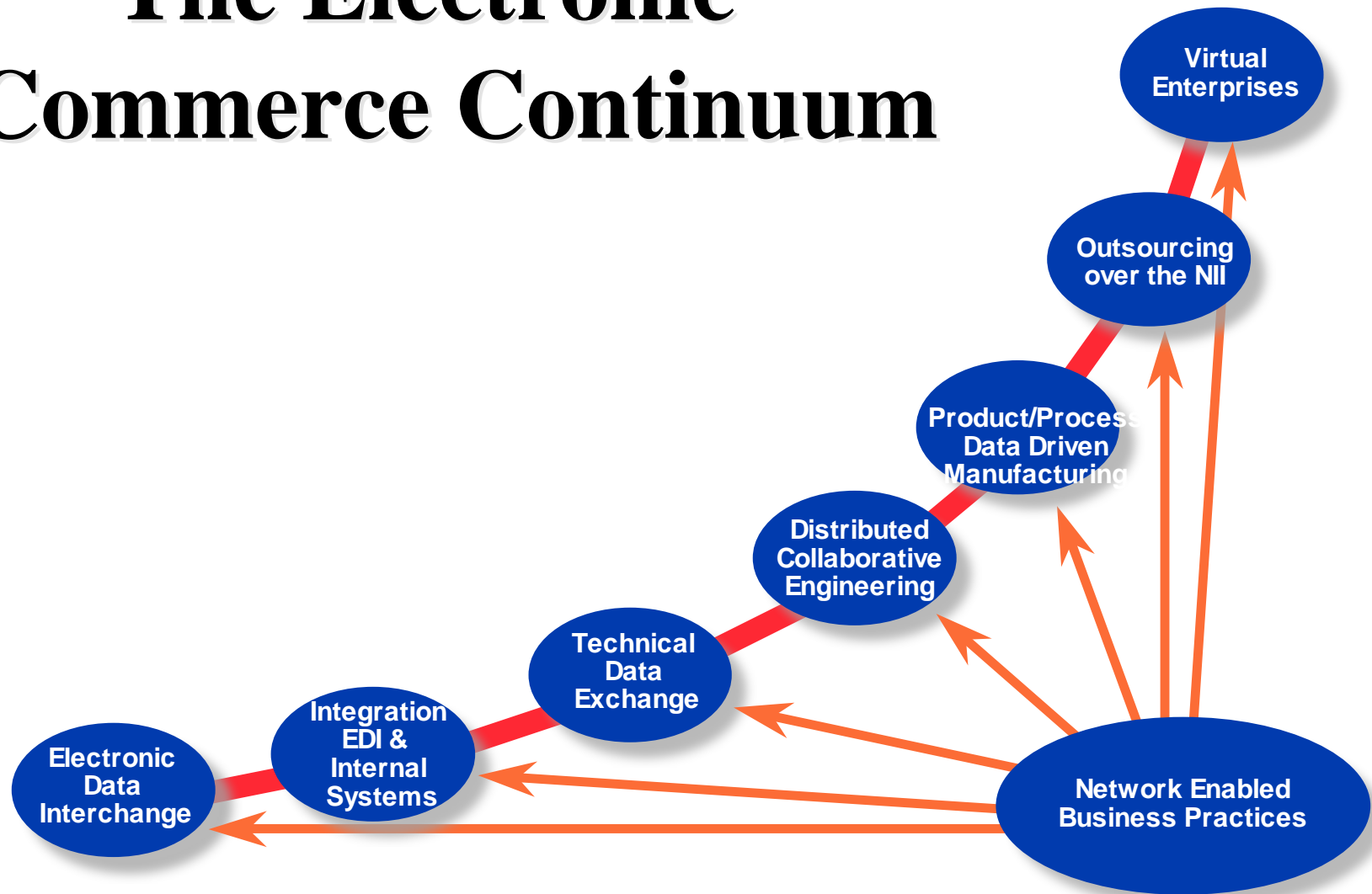
INTRODUCTION

Globally governments and businesses are recognizing that Information and Communication Technologies (ICT) and Electronic Commerce (EC) capability is key to creating economic growth. ICT and EC is providing vast economic and productivity gains.

Nations are benefiting, as governments are becoming more effective and businesses more competitive. The Internet provides unprecedented opportunities and challenges to the private sector, the public sector, and civil society in Africa. However, the ability to take advantage of these opportunities and meet these challenges depends on the readiness of Africa, its infrastructure, and its institutions.

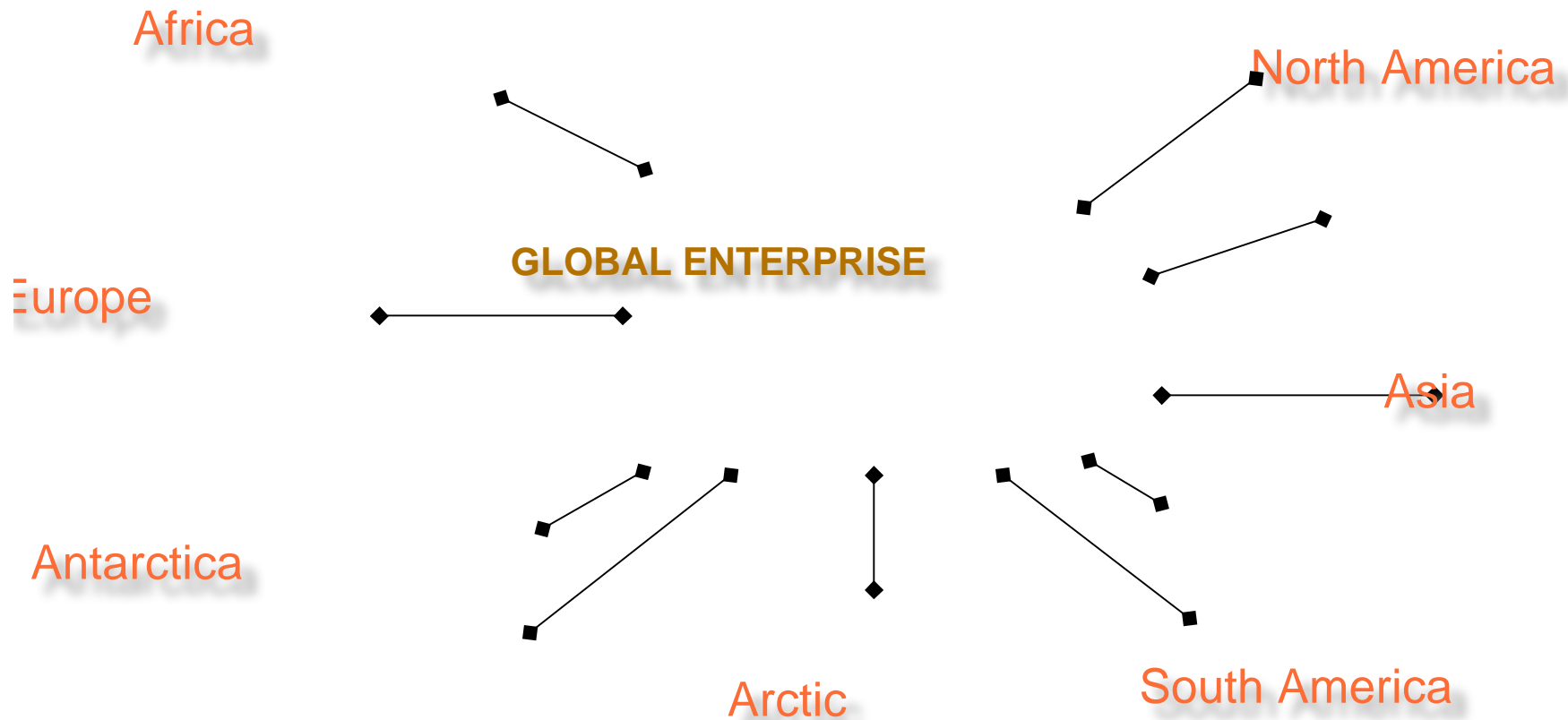
TTi/CAU's Electronic Commerce Initiative is geared towards providing proactive outreach, education, technical support, technology development, and information infrastructure of EC technologies to both government and industry.

The Electronic Commerce Continuum





GLOBAL ECONOMIES





INTRODUCTION (Cont.)

- **Information and communication technologies (ICT) are central to the creation of a global knowledge-based economy and society. ICT can play an especially important part in accelerating growth, eradicating poverty and promoting sustainable development in developing and transition economy countries and in facilitating their beneficial integration into the global economy.**



INTRODUCTION (Cont.)

- **At the same time, the experience of developed countries shows that indiscriminate investment in ICT can lead to large-scale waste. For developing and transition economy countries to benefit from the lessons of this experience and to avoid disinvestments and capture benefits, the institution of appropriate institutional arrangements is required.**
- **These opportunities and risks call for urgent and concerted action at the national and international levels.**
- **The United Nations system has an obligation to promote such action. To this end, there is a need for a comprehensive program of action to be accomplished**

TTi Communication Services



**Joint Collaboration with ACN SOLUTIONS Inc,
and ViaSat Satellite Network**



e-Nigeria

Visit the TTi web site at <http://www.ttics.com>



MERC Initiative is:

- A framework for infusing Electronic Commerce (EC) and Information & Communication Technology (ICT) into Medical business processes for sustainable development, and good health delivery systems.

Key focus areas:

- **Establishment of a Medical Electronic Resource Center: 6 network of regional e-Centers consisting of a central hub with a linkage with a hub in the US, which will infuse ICT and EC into the machinery for economic growth and productivity gains**
- **The National Eye Institute, Bethesda is involved in the project.**



Medical Informatics Lab

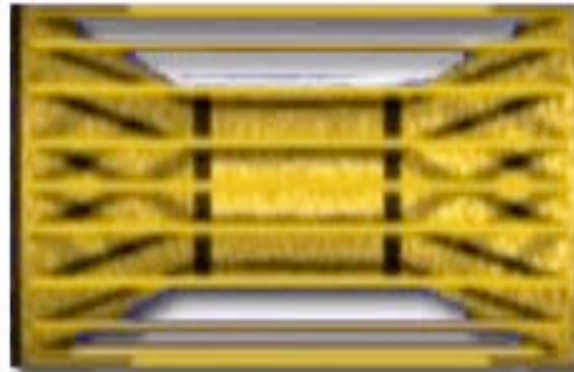
- **Multimedia:** CD rom libraries of medical textbooks and journals for medical students and residents. Interactive CD roms for learning anatomy and physiology.
- **Medical Information:** Internet links to medicine and US National library of medicine and US National library of medicine to aid Students, Residents and Fellows in their research work and as resource in patient management.
- **Hardware:** Workstations with software and virtual technology for simulation of surgical procedures
- **Teleconferencing Equipment (Via Stallite OR Cable):** For special educational delivered by local and international experts (who are not on ground at specific local institution). .







TTi Communication Services Presents Talking Video Drum **TVD**

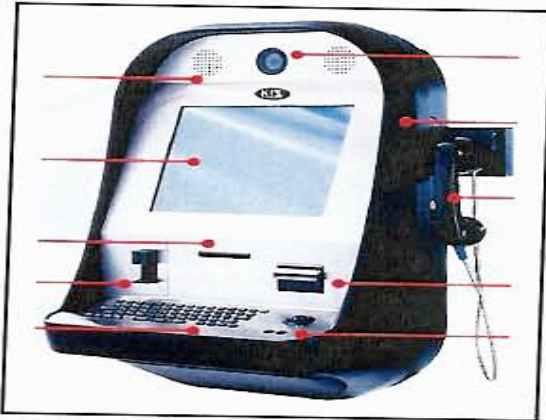


Taking Technology to Infinity



Kiosk Hardware Overview

Kiosks will come in two models, a stand up version and a booth version. Each will be equipped with a keyboard, mouse device, IP Based Phone, Internet video camera, and swipe device. They are made of cast alloyed and are well locked for security purposes.



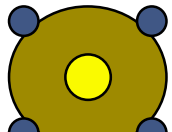


Table 1

**Thought Space
Workbench**

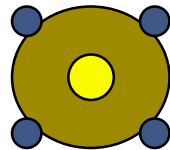


Table 2

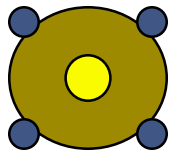
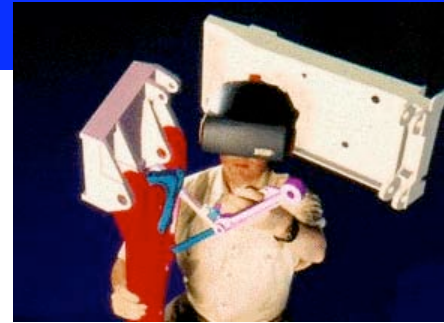


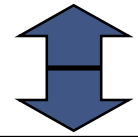
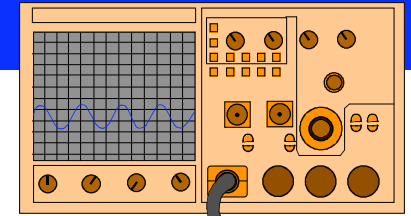
Table 3

Design

e-Center



Virtual Environment



**H-I-L
SIMULATION**

Simulate

Make/Test

**ANALYSIS
Models**

Live Range

Test Range

**Manufacturing
Database**

Georgia Institute
of Technology
Electronic Commerce Resource Center

Train

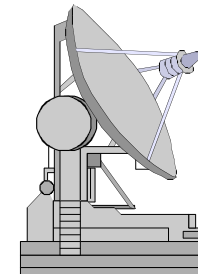


Web Based



Instruction

Distance Learning

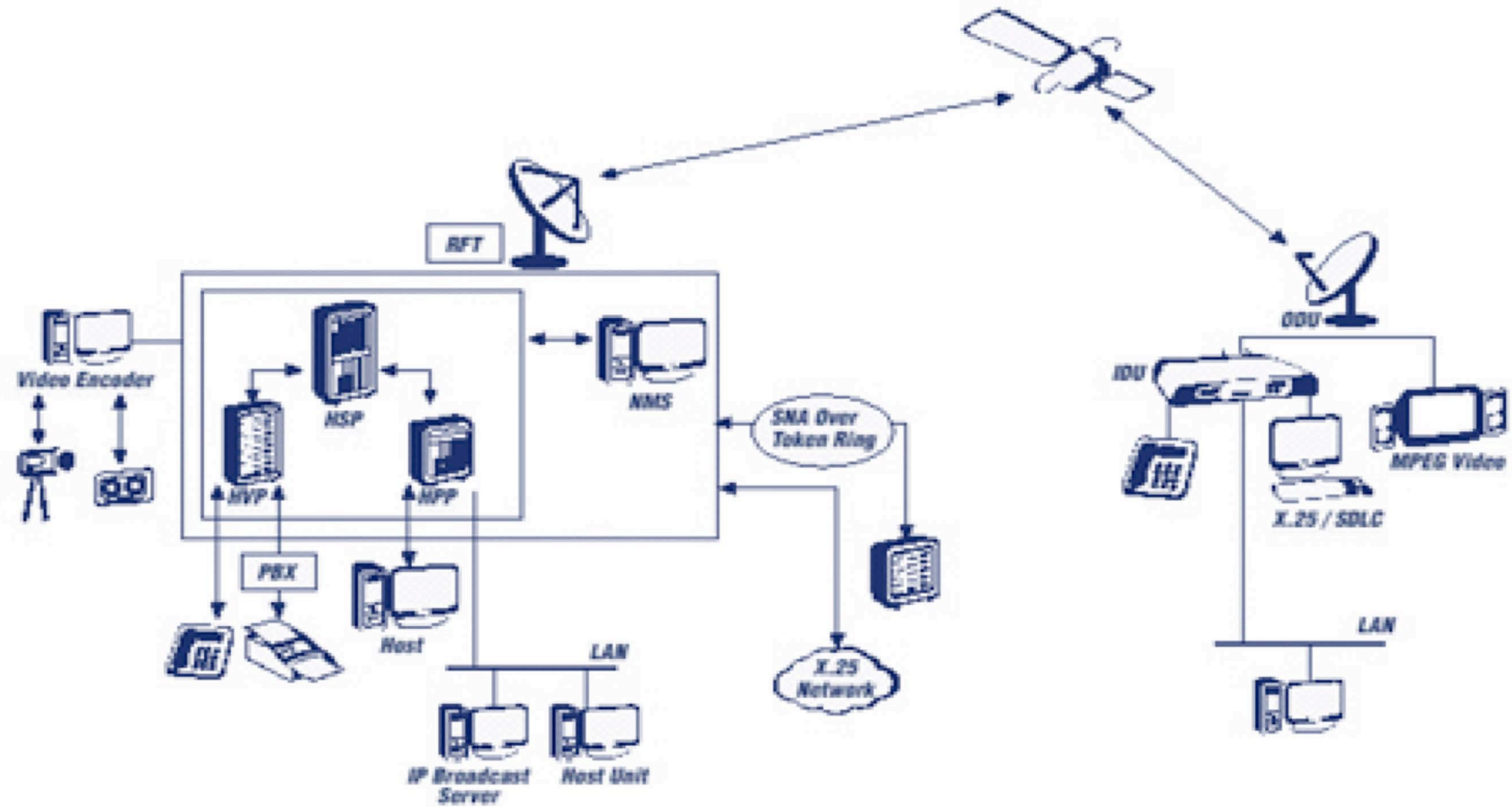








Franchising





SERVICES

- **Electronic Commerce (EC) / E-Government**
 - Electronic Business/Electronic Data Interchange
 - Web Presence
 - Business To Business Services
 - Government To Government Services
- **Visualization Simulation and Design (VSD)**
 - VSD Walkthrough
 - Computer Aided Design
- **Other Specialized Services**
 - Real Estate Development
 - Virtual Manufacturing/Security

ABOUT TTI

TTi is technology-consulting firm providing services in area of Electronic Commerce with emphasis on outreach to the business community, education and training, technology support and technology development. Our vision is to create a viable Global Virtual Enterprise where government entities and Business Enterprise collaborate and use technology based expertise to improve the lifestyles of individuals across the world. TTI CEO, Dr. Olu Olatidoye is currently the Director of the Electronic Commerce Resource Center (AECRC) at Clark Atlanta University in Atlanta Georgia (CAU). ECRC is collaboration between Georgia Institute of Technology and Clark Atlanta University. Initially funded by Defense Logistic Administration (DLA). ECRC-CAU started as one of the seventeen Centers in US that lay the infrastructure for Electronic Commerce for the contractors that supply to the DoD in moving towards the paperless environment. This experience among others have offered opportunity for staff that have worked for the ECRC that later consult for TTI that have evaluated e-readiness of the minority community in Georgia, Alabama and Tennessee. TTI has also work closely with Historical Black University (HBCU) in bridging the digital divide by collaborating with the Visualization and Design Laboratory (ViSiDeL) at CAU by developing HBCU Electronic Commerce Initiative web site to outreach to all HBCU, by way of distance learning and portal help desk. TTI is also instrumental in the creation of the Virtual Environment for Historical Inter-City Commercialization for the year 2000 and Beyond (VEHICLE 2000) which has recently attained the status of non-profit organization in supporting the minority community in bridging the digital divide. The overall goal of VEHICLE 2000 is to create a technology hub to serve businesses within the community while utilizing the technology hub to create apprenticeship program for residents within the program. TTI is already interacting with the Federal Ministry of Technology in Nigeria, the result of this interaction was a proposed African Global Enterprise for the year 2000 (AGE 2000) which will act as a forum to bring business in US and part of the world that are engaged in EC to network with stakeholder of Information, Communication Technology in Nigeria and the rest of Africa. TTI in collaboration with OBE is laying the infrastructure and framework for the implementation of Electronic Commerce infrastructure in Africa.



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