



Delivering Technology for Education to  
Disadvantaged Communities with LifeBox

David L. Neely  
ACI President

# Overview

Cost-effective  
classroom solution



# Broadband and Cloud Computing

- Cloud computing is a disruptive force
- Costs are dramatically reduced
- Examples include
  - Facebook
  - Google Apps
  - DropBox
  - Salesforce.com
- Any Device, Anywhere



# Broadband and Cloud Computing

- Cloud Relies on broadband connectivity
- Mobile carriers continue to expand footprint of connectivity
- Satellite broadband is an option
- Africa - 16% of population has broadband access
- Google exploring blimps, drones, and super cheap satellites for free service



# Tablets

- Computers are expensive and fragile
- Tablets have become popular
  - Easy to learn
  - Touchscreen
  - Downloaded apps
  - Cloud storage
- Mobile
- Durable
  - No moving parts
  - Data in cloud
  - Covers are waterproof, dustproof and protective





# Tablets

- Low-cost options becoming available
  - Low cost chips from China company, Allwinner
  - Chinese manufacturers
  - Indian option
  - Android – Google Play
  - Soon under US\$50
- Powerful
  - Most computer functions
  - 10 hour battery
  - Apps may function without broadband connection
  - Over 1M apps on Google Play
  - Any time, Anywhere



# LifeBox



# Education Module

- Uniquely suited to take advantage of
  - Cloud computing
  - Inexpensive tablets
- Equipped with solar power – off the grid for charging tablets
- Equipped with broadband connectivity
- Wi-Fi hotspot for community





# Education Module

- Once a student has a tablet and access to internet, the education paradigm is shifted
- Tablets can be loaded with video lectures and homework



# Technology Hub

- From classroom to a technology or digital hub for
  - eLearning
  - eCommerce
  - eMedicine
  - Communication
- Increased opportunity for economic activity



# Conclusion

- LifeBox ideally suited for a classroom in disadvantaged areas
- Solar energy and broadband connectivity allows the LifeBox to become a technology hub
- Tablets are easily and securely stored for charging
- Can be used for classroom instruction or self-paced study for those unable to regularly attend traditional school setting
- Learning can occur at any hour of the day
- LifeBox's technology can be used by the community for commerce, medical, and communication

# Affecting Change International

[www.affectingchange.org](http://www.affectingchange.org)

