

Kingdom Report

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Technology for Africa Monastery Vision of Kingdom Nation Building

What the early church did to create European Christian Civilization we can do in 21st century Africa with all the new technology: Starlink satellite connections, Fintech, Khan Academy schooling, AI, PV community electricity. Is. 11;9 “The earth will be full of the knowledge of the Lord.

It is the prophetic purpose of the Lord that two things of world wide impact must happen.

The first is that the knowledge of the Lord must be available to every person on earth. Isaiah 11: 9 “....*the earth shall be full of the knowledge of the Lord as the waters cover the sea.*”

Hebrews 8:11 "*all shall know me from the least to the greatest of them.*"

Mal. 1;11 "*From the rising of the sun even to its setting my name shall be great among the nations and in every place incense is going to be offered in my name*"

Secondly as all people learn about the Lord and His ways then this knowledge must be turned into action and that action must reflect the glory of God in all the earth.

“Numbers 14 : 21 *‘But indeed as I live all the earth will be filled with the glory of the Lord.*”

There are great barriers all across Africa for missions movements and knowledge transfer and people movement. Bad roads, inaccessible villages, national borders and legal restriction, corrupt politicians, bandits, useless money systems, failing education and health care, joblessness, poverty.....these were all present in barbarian Europe as the Roman empire collapsed.

But the early Christian churches sent out missionary teams into the wild and dangerous barbarian hordes of Europe and started the new communities of monastery’s where teams of mission visionaries planted farms and crops, built homes and churches, copied scriptures for getting knowledge of the Word of God to the people, taught literacy, taught new work skills, disciplined new converts into disciplined lives of prayer, work and study.

The Local Church as Community Center

The key strategy is to “state-proof” the local community from dependence on the state. The states not just in Africa but all over the world is increasingly able to deliver the services that local communities need. More so in Africa.

The incredible variety of new tech now available makes local self-reliance more and more effective. The local community centered church can fill this gap with the right tools.

Let go through some key tech now available that can empower local community churches:

1) Electricity

Consistent cost effective cheap electricity delivery from large central power stations is just not working very well anymore. Renewables in the form of PV's (photovoltaic panels) and batteries can form low cost local small grids for every community.

2) Communication via Starlink Satellites

Elon Musk's company has already launched more than 6000 satellites beaming internet signals all over the planet. They plan to expand it to 42,000 satellites.

Performance:

- Users typically experience download speeds between 25 and 220 Mbps, with most users getting over 100 Mbps Latency is low enough for online gaming, comparable to cable internet
- The latest Starlink user terminals are more advanced than previous versions. They can connect to the newer v2.0 Mini satellites, which have 4x the capacity of v1.0 satellites. Some new terminals have capabilities for direct-to-cell service, allowing connection to unmodified cell phones
- Wi-Fi Capabilities: The receiver includes built-in Wi-Fi with dual-band 3x3 MIMO, supporting IEEE 802.11a/b/g/n/ac standards. Mesh Compatibility: It's compatible with up to 3 Starlink Mesh nodes for extended coverage

This technology is cheap and can provide a local church community with fast internet service and can distribute the signal to nearby homes with it's Wi-Fi capability which can be connected to the church community school.

3) Schooling via Internet: The Khan Academy

Schooling all across Africa is very limited by proper trained teachers and good teaching aids for the children. There are great teaching courses now being offered free in various languages by groups like Khan Academy.

Khan Academy is a free online educational platform that offers a wide range of courses and resources for learners of all ages, with a particular focus on K-12 education. Khan Academy covers subjects from kindergarten through early college, including math,

science, humanities, and test prep Here are some key aspects that make Khan Academy effective for teaching school child

- **Personalized learning:** The platform uses adaptive technology to provide personalized learning experiences, allowing students to progress at their own pace and focus on areas where they need more practice
- **Mastery-based approach:** Khan Academy emphasizes mastery learning, encouraging students to fully understand concepts before moving on to more advanced topics
- **Engaging format:** The platform uses videos, interactive exercises, and quizzes to make learning more engaging and accessible for students
- **Instant feedback:** Students receive immediate feedback on their work, helping them identify and correct mistakes quickly
- **Free access:** As a non-profit organization, Khan Academy provides all its resources for free, making quality education accessible to students regardless of their financial background .
- **Teacher support:** The platform offers tools for teachers to track student progress, assign work, and integrate Khan Academy into their classroom instruction
- **Multilingual support:** Content is available in multiple languages, making it accessible to students around the world
- **Alignment with educational standards:** The content is designed to align with various educational standards, making it easier for teachers to incorporate into their curriculum
- **Continuous improvement:** Khan Academy regularly updates and expands its content based on user feedback and educational research

These features combine to create an effective learning environment that can supplement traditional classroom instruction or serve as a primary learning resource for students. The platform's ability to provide personalized, engaging, and accessible education makes it particularly well-suited for teaching school children across a wide range of subjects and skill levels.

4) New Appropriate Technologies

When a local community has its own electricity grid, and its has access to the international internet and it has access to world knowledge base then the community can learn skills and knowledge to be applied in local circumstances.

It can learn about better farm methods and caring for animals and for local remedies for sickness and hygiene. It can learn how to make basic chemicals from various biomass crops: things like soaps and fertilizer and ethanol for transport fuel, It can learn basic skills in electricity and construction materials and sewage treatment with making its own chlorine for water disinfectants.

4) A Fintech Mobile Money Network

The financial systems in Africa are notorious for unreliability, high inflation and lack of service. Especially to rural areas. But with local broadband internet available in the local

community church and local electricity mini-grid through PV's and batteries it is now possible for local community to be part of a national and international banking and payment service via their cell phone.

A great example is M-Pesa thr mobile phone based money transfer payments and micro-fiannce service launched in 2007 by Vodafone and Safaricom the largest mobile network in operator in Kenya.

M-Pesa allows users to deposit money into an account stored on their cell phones, send balances using PIN-secured SMS text messages to other users, pay for goods and services, and withdraw deposits for regular money

It has become Africa's most successful mobile money service and the region's largest fintech platform. M-Pesa is now available in 7 African countries and has over 51 million customers making over \$314 billion in transactions per year

M-Pesa revolutionized financial services in Kenya by providing access to banking and payment services to millions of unbanked people through their mobile phones. The service works through a network of over 500,000 agents, including small shops and retailers, where users can deposit and withdraw cash

In 2021, M-Pesa launched a "super app" to expand its services and cater to smartphone users, offering additional features and third-party mini-apps. M-Pesa processes around 2,600 transactions every second and has 50 million monthly active customers

The success of M-Pesa has made Kenya a hub for fintech innovation in Africa, inspiring many other mobile money and digital payment solutions in the country and across the continent.

A country like Zimbabwe who has had 6 new currency introductions as the government destroys the value of each new currency badly needs economic and banking reform. Most other African countries have the same problems.

Sound money, a secure and easy payment system, savings that are not eroded by government inflation of the currency, protection for the ordinary hard working person from thieves who steal their money....these are the minimum requirements needed for economic reform and community prosperity.

Sound money and an internet connection by a local community means that trading networks can be established by the community with other communities to buy and sell with each other and thereby increase the amount of community prosperity through new products and services.

The New Dark Ages

The world is headed into dangerous international confrontations of war and economic and social collapse. The local churches across Africa need to be the centers of learning, skills

training, food production, community mobilization and preservation of learning and family growth.

We can no longer be dependent on central governments. When Rome fell so did Roman law and Roman roads and education and skills. It was the missions of the early Christian church that went out to establish new communities based on local monasteries that taught the people to work, pray and study.

And thereby created a new world civilization from which new nations could be formed on the basis of rule of law. New universities were founded, new era of enlightenment out of ignorance and superstition.

The Lord wants us to fill the earth with knowledge of the Lord to all people. The Lord wants us to live community lives that bring glory to His name to people around us and by our examples of Godly lives fill the earth with the glory of the Lord.

God has given us wonderful new technologies and tools to make these realistic goals in our generation.