ENABLING QUALITY EDUCATION THROUGH TECHNOLOGY IN KENYA WITH THE C3 MICRO-CLOUD

THE C3 MICRO-CLOUDS ARE BEING USED TO REVOLUTIONIZE KENYA'S EDUCATION SECTOR

C3 MICRO-CLOUD:

Millions of students can't reach the global knowledge and resources that e-Learning can provide.

The C3 Micro-Cloud changes all that – anytime, anywhere.

The Critical Links C3 Micro-Cloud is a self-contained, cloud-enabled e-Learning platform that can dramatically simplify the delivery of digitized content to schools.

Everywhere.

Irrespective of the constraints on internet connectivity and power, availability of technically skilled personnel, school location (urban or rural), or the specific student devices.

C3 AROUND THE WORLD - KENYA

The Republic of Kenya is the 29th most populous country in the world with 50.2 million of people. The country's economy is the largest in eastern and central Africa with Nairobi (its capital and largest city) serving as a major regional commercial hub. However, according to UNESCO, in 2017, the country has an adult literacy rate under 80% overall, and further is a significant gap between male and female: the literacy rate for females is under 75%. In some regions, a large percentage of girls are not even enrolled in schools.

Recognizing education as the primary means of sustainable economic and social development, the Government of Kenya has, in recent years, implemented programs resulting in rapid expansion of the education sector.

www.critical-links.com

The main goal of the ministry of education is to provide the best quality of education, with particular emphasis on science, innovation, and technology. For that reason, new measures and initiatives were needed.

Aware of the fact that technology is indeed a powerful tool that can transform education in many ways, Kenya's government has also made remarkable progress putting in place a technology implementation strategy in schools.

The project introduces the use of technology in the classroom to ensure students can exercise their right to quality education and provide them the opportunity to develop the skills, knowledge, and confidence they will need in the future.

As a part of this initiative, a number of schools in Kenya have received smart devices, supported by **C3 Micro-Clouds**, that allow students to benefit from a 21st-century education.

The **C3 Micro-Cloud** creates a rich learning environment that provides a local content repository and powerful e-Learning tools. Teachers and students connect via Wi-Fi to the local micro-cloud and they have access to a complete cloud-based learning environment.

If content such as texts, subject media, guides, tests, educational applications, and other resources are cached on the micro-cloud, they are always available regardless of 'upstream' network connectivity. It also has a battery backup which means students can learn without interruption, even when power is unstable or momentarily non-existent. Updated and approved educational content which can be curated centrally by approved administrators, is available at any time through the **C3 Cloud Control** portal.

St. Aloysius Gonzaga Secondary School is a mixed school, located in Nairobi. The **C3 Micro-Cloud** has already improved education quality for its 110 students. For these students, lessons are not based on outdated textbooks anymore - books are only one of many possible resources for students now, complemented by video, podcasts, games, websites, etc.

"The **C3 Micro-Cloud** has been a very helpful and admirable tool here at St. Aloysius Gonzaga School, stated one teacher. The caching and high bandwidth provided by **C3 Micro-Cloud** have made me admire the project." He also commented that students are more engaged and better understand the content taught. "Technology fostered an increase in quality of student's thinking and writing and in the ability to solve a complex problem. With e-books, videos, and learning games learning has become fun and they are all very motivated".

Another teacher highlighted, "Students can learn now at their own speed, go back to lessons and get online instructions to support the learning process".

The importance of using technology in the classroom is also recognized by students - "Now I love attend to school. It is easier for me to retain information and consequently, I have better grades now and I'm excited for what the future holds", - said one student.

The access to technology, and the **C3 Micro-Cloud** has immensely changed the way teachers teach in Kenya.

Classroom walls are no longer a barrier to a technology-based future and teachers become mentors while students are taking more responsibility for their learning.

We believe that is possible to encourage new and better forms of learning and reasoning.

Together, we are reshaping education for the future!

The C3 Micro-Cloud solution is now in use in over 55 countries, reaching more than 7 million students. We are benefiting more than sixteen thousand schools worldwide!

THE C3 MICRO-CLOUD IMPROVES EDUCATION FOR:

STUDENTS: *Students can access global education resources and rich learning content, such as podcasts, videos, e-books, quizzes, applications, even if the school does not always have an upstream connection to the internet. They can also have access—by any student device, such as notebook, tablet or smartphone — to real-time feedback to track their performance. Learning with the* **C3 Micro-Cloud** *improves students' engagement in the learning process and better prepares them for the future.*

TEACHERS: *With the* **C3 Micro-Cloud** *teachers are able to follow state-of-the-art teaching methods and leverage leading curriculum, by providing a wide range of learning materials and promoting flexibility and differentiation in the learning methods. They can easily plan lessons, saving time to deliver an education that works with each student's unique needs. The progress of the students can be tested real-time, and analysed to help them learn better.*

SCHOOL ADMINISTRATORS AND GOVERNMENTS: *Allows administrators to curate and distribute approved content for the entire country or region from a single point, to be updated whenever a connection is possible. Improve internet speed by caching HTTP and HTTPS pages and prioritizing access by user profile. It also ensures that students only navigate internet sites allowed by the school's safety policy.*

What is the price to give your students the opportunity for a better future?

distributed by:

MKN Technology & Services
achieving more

The C3 Micro-Cloud is developed and maintained by

Critical Links

Find out more and visit www.mkntechnology.com
mifta@mkntechnology.com | +251911330870