SUCCESSFUL EDUCATION PROJECTS IMPLEMENTATION

JORGE SÁ COUTO  NUNO OLIVEIRA
Chairman  VP WW Sales & Marketing
TRANSFORMING EDUCATION through TECHNOLOGY

TRANSFORMING the WORLD through EDUCATION
The world’s largest corporate sustainability initiative

A call to companies to align strategies and operations with universal principles on human rights, labour, environment and anti-corruption, and take actions that advance societal goals.
provide access to quality, transformational and universal education, and through it, access to equal opportunities for girls and boys, in a more inclusive and global society
Nº 1 IN THE WORLD IN IMPLEMENTING LARGE SCALE PROJECTS IN EDUCATION
+14 million students reached
300 k teachers impacted
+20 large-scale projects
students and teachers reached
main projects and milestones

08  Magellan, First education project in Portugal

09  Canaima Educativo, in Venezuela

10  Conectar Igualdad, in Argentina
     Netketabi, in Palestine
     Plan Ceibal, in Uruguay

11  Popup School, First deployment
     Meu Kamba, in Angola
     Project Escuela 2.0, in Galicia
     Project Balboa, in Panama

12  Project Quipus, in Bolivia
     Police Security Forces project, in UK, in partnership with TETRATAB
     Lempitas Project, in El Salvador

13  Education project driven by the Public Education Secretariat, in Mexico
     Education Project, in Ecuador
     Ibirapitá project, in Uruguay
     Industrial unit inauguration, in Bolivia
     Teacher training focused on the Professional Development of Women
     Teacher training at the “Maison de l’Enfant”

14  mymaga brand as a global brand for Education
     Meu Kamba, in Angola
     Amigo Project, in Brazil
     Pilot project, in Timor, installation of 4 classrooms and one teacher’s room

15  Digital Literacy Programme, in Kenya
     Engineering project, in South Africa that integrates a SKD Assembly Line
     Engineering project, in Botswana dedicated to the installation of a SKD Final Assembly
     Engineering project, in Senegal that integrates a SKD and SMT Assembly and Product Management
     Industrial unit inauguration, in El Salvador

16  Inspiring Knowledge Education Software (iKES) launch
our ambition

WORLD LEADER IN INTEGRATING TECHNOLOGY IN EDUCATION

EDUCATION Reference Design DEVICES

CLASSROOM and School SOFTWARE

Ability to design, execute and deploy PROJECTS WORLDWIDE
Our vision of an Educational Device

Recommended features for Student devices:
- Portability
- Resistance for a class environment (inside/outside school):
  - Drop resistant
  - Dust and liquid resistant
  - Durable and resistant external materials
- Battery life for a school day (6h-8h classroom average use)
- Fanless design
- High Quality screen
- Include accessories (Science Kit, Stylus for touch screen,...)
- Include Software ikES: IT SW, Classroom SW, Educational SW

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<thead>
<tr>
<th>Ideal</th>
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<tr>
<td>Light</td>
<td>Include Keyboard, a must for project based work</td>
<td>Performance to support multi-task</td>
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<td>Rugged + toy like design appealing</td>
<td>Rugged important w/ take home 1:1</td>
<td>Increased expectations of quality</td>
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<tr>
<td>Pre-loaded apps</td>
<td>Begin our productivity usages</td>
<td>Balance rugged w/ design appeal</td>
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<tr>
<td>Touch Screen</td>
<td>Productivity SW</td>
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<td>Intuitive Interface</td>
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<td>Touch screen and stylus</td>
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Education Grades PreK 12
TURN T302 NEW

Highlights
- High Performance for a better productivity:
  - Intel® Celeron™/Pentium™ inside.
  - Up to 8GB RAM.
  - WiFi ac 2x2.
- Fanless design.
- Semi-Rugged Design built to last:
  - Drop resistant up to 70cm.
  - Liquid resistant 100cc keyboard-touchpad.
  - IP5x (screen).
- Fast Charge (Battery 70% - 1 hour).
- Includes Science Kit - Thermal Probe and Micro lens.

Preloaded:

398.6(W) x 207.3(D) x 19.9(H) mm, 1.4Kg
GLOCAL

THINKING as a GLOBAL Company
Global UNDERSTANDING
ACTING as LOCAL Company
Local INTERVENTION

With a tiered approach
Customized solutions to address the specific NEEDS and context of EACH COUNTRY and client
the jp.ik sustainable approach
the jp.ik sustainable approach

EDUCATIONAL IMPACT
"Transforming Education" around the world. Creation of talented and trained professionals.

SOCIAL IMPACT
Development towards a new global society. Increase the number of qualified professionals that stimulate the national economy.

ECONOMIC IMPACT
Maintenance of already existing companies and new upcoming opportunities.

SUSTAINABLE IMPACT
Stimulate action over the next 15 years in the Five Ps of critical importance: People, Planet, Prosperity, Peace and Partnership.
THE IMPORTANCE OF LOCAL PARTNERSHIPS

partnering local agents for a sustainable development of global projects
FROM THE FACTORY TO THE KNOWLEDGE CENTER

- PROJECT PLANNING
- TECHNICAL SUPPORT
- INDUSTRY CONSULTANCY
- PROJEKT DESIGN & PROCUREMENT
- SERVICES AND REPAIR CENTERS

AGREEMENT WITH LOCAL PARTNERS
MASTER TRAINING ("HANDS-ON")

KNOWLEDGE CENTER

developing new streamlines of value to the industrial cluster
creating job opportunities
JP and Moi University emerged the winner in two of the three lots, covering 26 counties!
KENYA:
Digital
Literacy
Programme
Installation and commissioning of the Digital Learning Solution in 14,000 public primary schools

The implementation of a proof of concept in 74 schools across the country (POC)

Installation of 700,000 devices in public primary schools until 2017
Kenya

Teacher training to more than 42,000 educators

PEDAGOGY

Impact analysis evaluation

2016

Working for: 1 year
Deliver and install the procured equipment

Implement a final assembly unit for the production of educational devices and solutions at competitive prices

Provide functional and technical support in an appropriate repair center
BUT IT’S NOT ONLY ABOUT TECHNOLOGY

...it is about innovation and insight.
...it is about connections, interaction and engagement.
...it is about education and learning.
...it is about creating more opportunities.
...it is making it available to every person, every child.
...it is having opportunity to choose.
...it is taking tools to evaluate what is beneficial and meaningful.

...IT IS ABOUT THE FUTURE OF THE NATIONS
PURPOSE DESIGN & ENGINEERING TO ENHANCE COMMUNITIES THROUGH EDUCATION
jp.ik popup school

a building that can be installed anywhere according to the local and community needs.

more than one school (by day) ...
... a community center (afternoon, evening and weekends).

ideal solution for building schools in more remote regions, preventing children from having to travel long distances, guaranteeing access to education.
jp.ik popup school

Solar Panels
Photovoltaic & batteries assembly

power cabinet → solar panels → charge
jp.ik
popup
school

**CONNECTED TO THE WORLD**
Complete technological system that includes IT infrastructure.
jp.ik popup school

13 POC AROUND THE WORLD
jp.ik
a school for all
COUNTRY X, Education in a glance...

**Population**
More than 16 millions of population; 42 percent of the population living in urban areas, the widespread provision of effective social services, including education is a considerable challenge.

**Students**
Basic education – Primary level up to grade 7; 8 millions of students
Secondary (Junior – Grade 8 to 9 // Senior – Grade 10 to 12); 1 million of students

**GDP**
GDP growth rate (2016) – 3,8%
per capita GDP (2016) - 411,28 USD

**Teachers**
+ 129k teachers in the Basic Education and Secondary.
Many challenges in terms of inadequacies in infrastructure, institutional and human capacity including critical shortage of teachers especially in rural areas.
a school for all

PROJECT GLOBAL GOALS

1,000 NEW CLASSROOMS
100,000 STUDENTS WITH A NEW CLASSROOM
10,000 STUDENTS WITH TECHNOLOGY
100 CLASSROOMS WITH TECHNOLOGY
5,000 DEVICES FOR STUDENTS
1 YEAR DEPLOYMENT
a school for all

more than a school (by day)....
... a community multimedia center (by night and weekends)
... a mobile network signal diffusion antenna

MULTIPURPOSE USE

more than just a school, this solution can be the center of the whole community.
It can be used as a training center, a health unit, a cyber center (mobile phones charging stations) or a community center.
choosing the right usage model depends on the characteristics of the location and the needs of the surrounding community.
ClassRoom Server CAP – content access point

**comprehensive solution**
access point + content server available on the device.
allows easy access to digital content **up to 50 devices** simultaneously.

**flexible**
for use in **different connectivity environments** - wired, wireless, or offline.
multiple internet connection options, including 3G support or to use as a hotspot.

**available**
battery backup provides **up to 5 hours** of continuous use, even if there is a power outage.

**content management**
educators can create classes/workshops using any content that has been **preloaded** by a central system or their own content.

**easy-to-use interface**
makes it easy for educators/directors community center to publish content quickly for all community to access materials simply by starting a web browser.

**portable**
can be **easily transported** to community spots.

**customizable**
content can be tailored to meet the specific needs.
Connected to the world complete technological system that includes IT infrastructure and GSM Antenna to Broadcast Mobile Network.

**CAP - content access point** designed for 3G access in case of network coverage and as storage and distribution of digital content offline.

It is the ideal equipment for areas with little or no connectivity. With its own storage it can make pre-determined contents available to the population, creating a Wifi zone (local Hotspot).
jp.ik
a campus for all
Building a school campus for 500 students based on the technology developed for our concept of modular Popup School, up to 2000 m² of modular construction!

The use of a popup classroom can be repeated in order to create a more complex set of elements, resulting in small or large clusters of classrooms and additional functions.
a campus for all

PROJECT GLOBAL GOALS

10 CLASSROOMS FOR 50 STUDENTS EACH

1 LABORATORY TO DIGITAL CLASSROOMS

1 CLINIC FOR HEALTH SUPPORT

AREAS TO SUPPORT THE CAMPUS ACTIVITY: ADMINISTRATIVE SERVICES, CANTEEN/KITCHEN, TEACHER ACCOMMODATION
a campus for all
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