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inspiring knowledge

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# Bolivia: A Sustainable Education Project. The Development of a Nation.

Inspiring Stories Series



## Bolivia: A Sustainable Education Project. The Development of a Nation.

*Just a few years ago, it was hard to believe that Bolivia would ever be able to build a project that would revolutionize the country's Education, Productive Development and Technological Readiness. But they made it.*

Bolivia is now an excellence model in the implementation of a technological project, which started with educational purposes to become a provider of wider scope solutions for the country.

jp.ik is honored to be a key stakeholder in this project. Our knowledge transfer fuels a continuous initiative that is delivering the best outcome for people, communities and Bolivia as a whole, promoting long-term competitiveness and sustainability.

In 2010, Bolivia started investing in an Education revolution, with a set of goals that would end up fusing with an ambitious plan of the country's Industrialization, released in 2012 by the Ministry of Education along with the Ministry of Productive Development and Plural Economy.

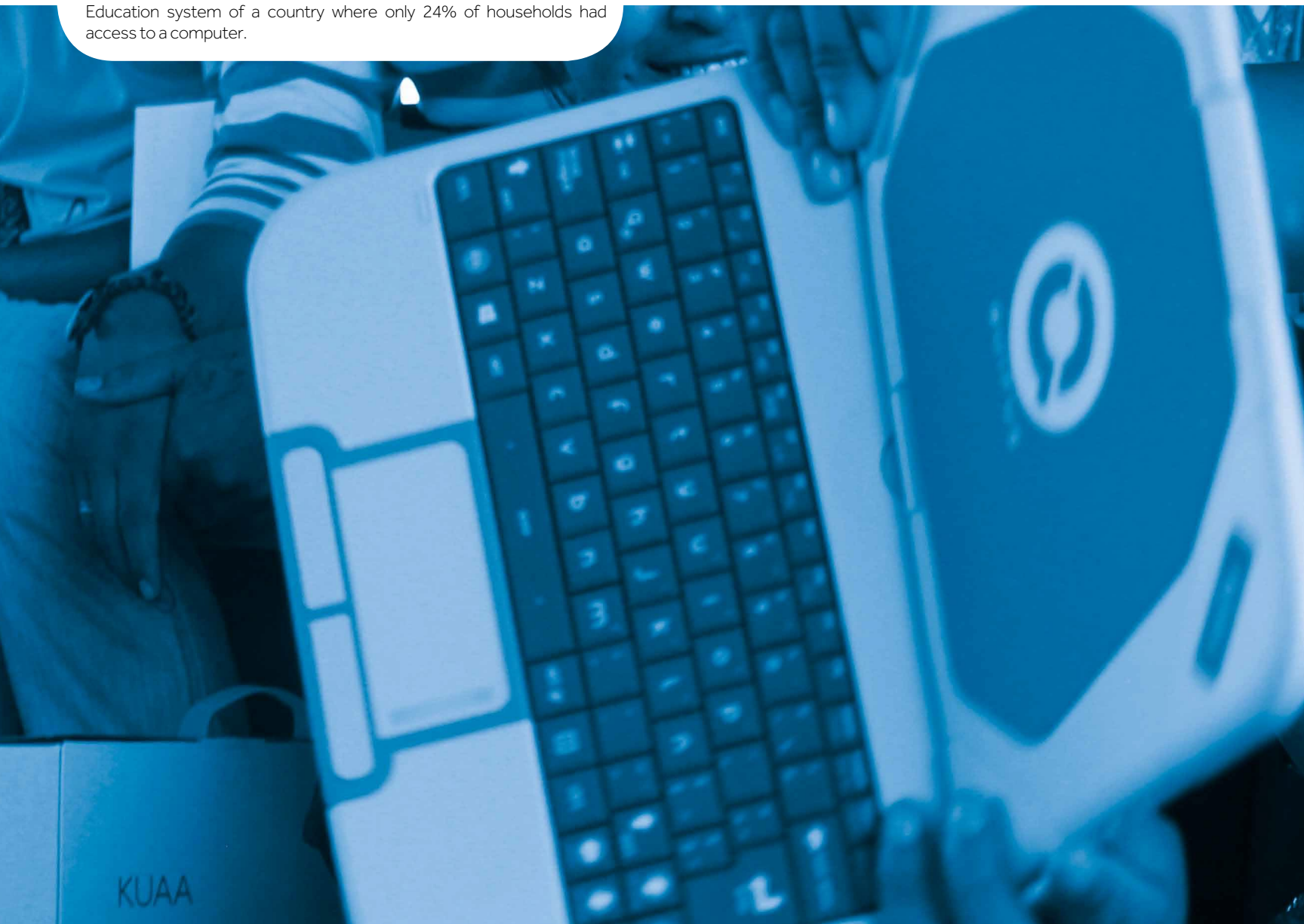
One of the main purposes of this plan was the ICT integration in the Education system of a country where only 24% of households had access to a computer.

With the support of jp.ik, in 2013, the Government created Quipus, a public company dedicated to the implementation of a technological education project: in Bolivia and for Bolivia.

In less than one year, the very first assembly plant of the country has already produced 150.000 student devices, delivered to each one of high school finalists.

Quipus is now diversifying its product offer, aiming at covering more school years and reaching other key sectors like Health and Telecommunications.

It all started with an Education Revolution, but now, Bolivia is living the Technological Revolution. A new future is about to come.



## A success story

Envisioning Bolivia as a unique scenario, jp.ik faced this challenge, its context, the local culture and history, considering the commitments and hopes at all levels, from the Government to educators, from the students to their families and the community as a whole.

The engagement of the Bolivian people and the collaboration between the different stakeholders established



The Industrial Production



A Nation-wide Distribution



Flipping the School Experience



All in this Together





## The Industrial Production

### Texturbol: when the old becomes new

The refurbishment of an old textile factory gave birth to the first assembly plant in Bolivia. Texturbol is managed by Quipus with the consultancy of jp.ik and, in only a few months, it has produced 150.000 student devices.

At full capacity, Texturbol runs three shifts of 60 people each, producing up to 2700 devices every 24 hours. These shifts comprehend not only the production, but also the quality control, logistics and administrative services.

At the moment, Texturbol is assembling not only laptops, but tablets as well.

The technical qualification was a key step for the implementation of Texturbol as a highly productive plant: jp.ik performed an intensive process of knowledge transfer in order to ensure effectiveness and efficiency.

### Kalutaca: the final project

The Kalutaca plant is the final assembly plant of the project; it is still under construction, and it will accommodate up to 800 workers in just one shift.

This plant will have a more complex and diversified production process, with the ability of producing WI-Fi boards, motherboards and RAM memories.



### Quipus: a Bolivian company for the Bolivian people

Quipus may be a brand new company, but within little time, it has gained ground in delivering meaningful technological solutions.

The company name itself is full of meaning: 'Quipus' was an ancient technology created and used by the Aymaras for accounting purposes and mnemonics records. The main goal was to bring the invaluable ancient culture to the new technologies field, reinforcing the country's attachment to its history.

With the support from the Ministry of Productive Development and Plural Economy, the 60 people working in Quipus have built a responsible and committed company that works proudly for the Bolivian People.

The future will bring the diversification of its product offer, not only for covering more school years but also to reach the general public. These new solutions will be made available at a very affordable price, including, for example, servers and digital TV decoders.

***"Technology produced in Bolivia,  
with our own hands"***

*Camilo Morales,*

*Viceminister of Productive Development and Plural Economy*





## A Nation-wide Distribution

### Celebrating Education

El Alto, the regional department where both plants are based, was the first to receive a massive hand-over ceremony of student devices, making the delight of 15.000 high school finalists. Pando was the latest regional department to receive such an event.

The President Evo Morales attended all the ceremonies celebrated in the nine Bolivian departments. These events marked the start of a dream come true: making Education in Bolivia accessible to all.



### All deadlines count

It was not an easy task, but in just a few months, Quipus produced and delivered 150.000 student devices all over the country.

Meeting the deadlines required big efforts from all the dynamic groups involved, starting with the Production and ending with the Delivery team.

Both Quipus and the Ministries consider that complying with the established production and delivery times was one of the main targets achieved by the project so far.

***“The creation of Quipus proved that Bolivians are resilient people, and made them believe in the possibility to set more distant goals”***

Ana Teresa Morales,

Minister of Productive Development and Plural Economy





## Flipping the School Experience

### An entirely new classroom routine

The introduction of technology in the classrooms of High School senior year is changing the daily life of students and teachers. The impact is even higher in regions where most people – whether youngsters or adults - have never touched a computer.

### A question of motivation...

And self-confidence. With a full set of new technological tools, the school community is living a double phenomenon: teachers are empowered to be more creative and go further in their classes, and students gain a new vision for their future, feeling entirely prepared to continue studies and succeed in their own country.



### The importance of educational content

Quipus has been working with the Ministry of Education and software developers in order to focus more on the educational content specifically developed for each school year.

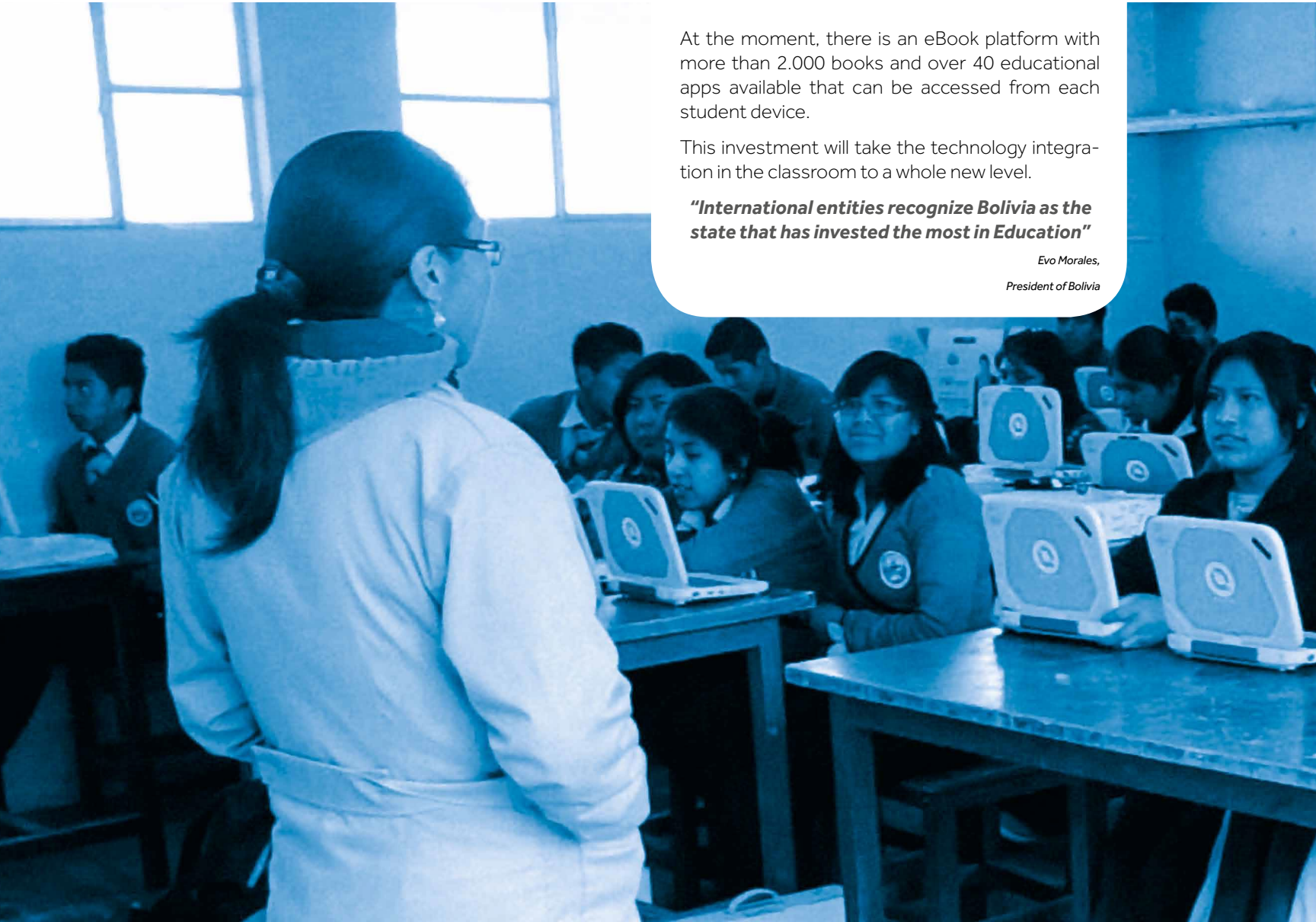


At the moment, there is an eBook platform with more than 2.000 books and over 40 educational apps available that can be accessed from each student device.

This investment will take the technology integration in the classroom to a whole new level.

***“International entities recognize Bolivia as the state that has invested the most in Education”***

Evo Morales,  
President of Bolivia





## All in this Together

### The collaboration between stakeholders

One of the main reasons for the success of this project was the dynamic collaboration - from its beginning - between the Ministry of Education and the Ministry of Productive Development and Plural Economy, along with the key stakeholders like jp.ik, which has always been supporting the process in loco.

### Inspiring knowledge in Bolivia

The knowledge transfer is one of the main assets of jp.ik when helping nations like Bolivia design and implement their own technological project for Education.

From Industrial Engineering to Asset Management, and from the Building of Infrastructures to Pedagogic Training, jp.ik is honored to play a role in the implementation of such a project over time, covering all the stages.



At jp.ik, we believe in the importance of collaborative work, sharing what we know best with countries that are full of potential and willing to make a change in their people's lives.

Education is the one best way.

***"The Bolivian project constitutes a proof-of-concept of the turnkey solutions developed by jp.ik, in order to help nations invest in Education. Other countries should look at Bolivia as an example."***

Jorge Sá Couto,  
Chairman of jp.ik



Diputados	
PDC = 11	11
VERDE = 17	17
MSM = 4	4
UD = 2	2



Another project fueled by:



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If you want your project to become one of jp.ik stories, please contact us: [marcom@groupjp.com](mailto:marcom@groupjp.com)

