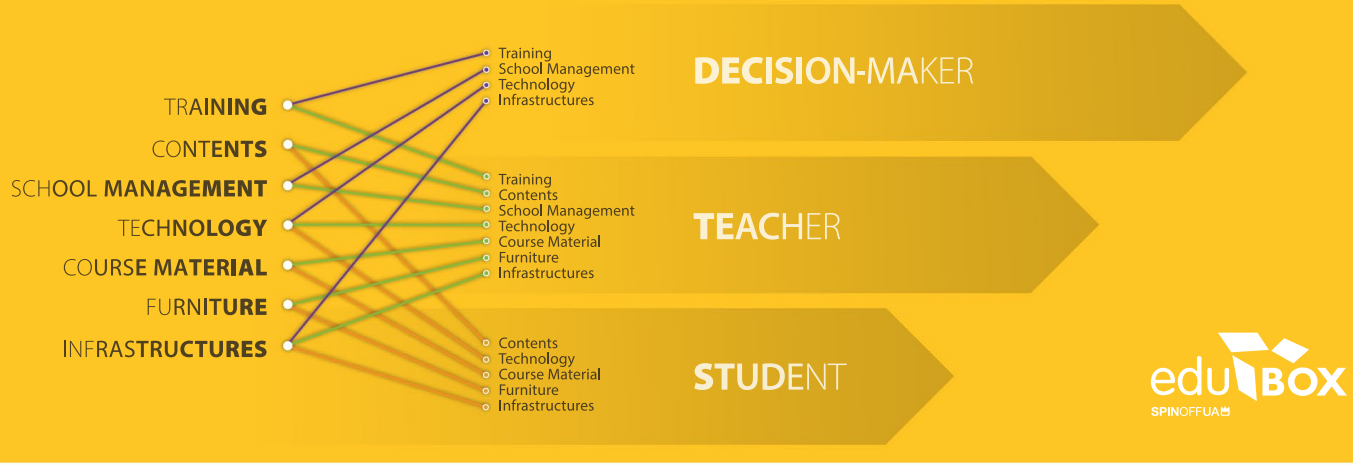
GLOBAL **EDUCATION** SOLUTIONS



eduBOX
SPINOFFUAM

INFRASTRUCTURES

Internet allows you to overcome distances and reduce costs, fight e-exclusion and digital illiteracy. Access to sources of information and knowledge dissemination is the first step to connect people and ideas.

TECHNOLOGY

Within the new educational framework, the environment is composed of hardware, software and educational resources. Interactive boards and tables, tablets, projectors, computers and smart phones take advantage of the ICT's potential for that which is the schools' core – learning and teaching.

CONTENTS

With the evolution of technology, inside and outside the classroom, it becomes clear the need to make multimedia educational resources available to teachers and students that promote and create new learning dynamics.

TRAINING

The teacher is the essence of education. It is essential to train the teacher so as to make an appropriate use of the available resources, not only to train students, but mostly to prepare them to face the labour market.

GES supports an inclusive and global education, designed to consider everyone and every dimensions of education

SCHOOL MANAGEMENT

The integrated management of schools needs to take into account all their dimensions and all the players within the educational system. This way, the management of processes will become simpler and more effective, with the users being capable of interacting with the different services, accessing information and contents appropriate to their actual needs.

COURSE MATERIAL

The purpose of the course materials and equipment is to effectively contribute to creating favourable conditions to education and learning, in each specific school stage and subject, making the lessons more vibrant, attractive and motivating for both students and teachers.

FURNITURE

The quality of education and learning is implicitly connected with the quality of the physical environment. The furniture must be versatile, ergonomic and mobile so that the very same space can be used in different manners.

COLLABORATIVE PLATFORM

It is possible nowadays to integrate in a single space a variety of services and collaborative tools, such as wikis, chats, forums and social networks, which encourage learning and stimulate collaborative work within the education community.

TECHNOLOGY

The Information and Communications Technology (ICT) is one of the most striking factors of the world and society's accelerated change that any education system has to be able to meet, anticipate and even promote.

Within the new educational framework, computers, interactive boards and tables, tablets and smart phones take advantage of the entire potential of ICT for that which is the school's core – learning, teaching and school management, as long as these have Internet access and management and collaborative platforms, and are complemented with certified educational contents and training plans for teachers.

School, as a mirror of society, is and must be a centre of excellence and skills of which one must take most advantage, technology being an instrument that facilitates integration, interaction, sharing and, above all, the promotion of the communication process between community and school and vice-versa.

REFERENCES

Portugal - Active participation in the development of Portugal's Education Technology Plan – more than 2,000 schools were equipped with interactive whiteboards, video projectors and computers.

USA - More than 150 schools equipped with Bi-Bright solutions.

Mozambique - Technological partner of Mozambique's Technology Plan. More than 50 schools equipped with multimedia labs (interactive solutions, wired network, 10 computers with multipoint server, servers, video cameras and software). More than 200 schools equipped with interactive solutions.

Brazil - Partnership with the Departments of Education of different prefectures in the states of São Paulo, Rio de Janeiro and Santa Catarina.

Egypt - More than 250 schools equipped with Bi-Bright solutions.

Mexico - Development of a pilot project for an education global solution.

Indonesia - Development of an education global solution to be used by 2,000 students.

UK - More than 74 schools equipped with Bi-Bright solutions.

British Council - Installation of 150 interactive whiteboards in more than 15 schools on 6 countries.

COMPLETE SOLUTION

Support Evolution Superior Stand adjustable in height
Video projector of ultra short throw Sony (projects at 30 cm from the board)
Interactive whiteboard Slimline
Compartment to store and recharge tablets and portable computers.

TABLET MAGALHÃES
7"/ 10"

Systems Android or Windows
CPU 1.6 Ghz, 1GB LPDDR2
Screen 10.1" 16:10 high resolution LCD
1280×800 | Touch panel with 5 points
Accessories Microlens; temperature sensor probe
Weight 685g

CLED+

Screen 65"
Type LED
Resolution 1920*1080
Number of Touches: 4
Systems
Android / Windows/ IOS

PC MAGALHÃES DUO

2 in 1 | Portable computer and Tablet
CPU Intel Celeron N2805 (1.46 GHz)
Screen LCD HD touch screen of 10,1" 1366X768
(anti-reflective)
Accessories Microlens; temperature sensor probe
Weight Up to 1700 g

CHARGING STATION

Available colors:

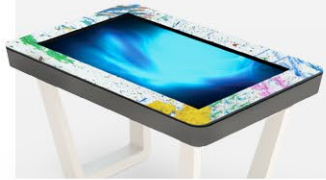
Workspace 107.9 cm / 42.5''
Width 69.22 cm / 27.25''
Depth 72.65 cm / 28.6''
Weight 81.65 kg / 180 lbs.

INTERACTIVE TABLE TA007

Format 16:9
Resolution 1920x1080 Full HD
Infrared touch screen technology
32" / 42"

KIDS TABLE

OS Windows 8
Screen 42" Multi-touch / Multi-user
Adjustable height



DOCUMENT CAMERA

Capture range
Flexible arm
(up to A3)
Lens
Autofocus /
colour balance
Resolution
2048×1536
Weight 600 g

SCHOOL MANAGEMENT

LIBRARIES MANAGEMENT

- Cataloguing
- Inventory
- Loans

PAYMENTS

- Fees
- Payment plan
- Discounts
- Cash up
- Reports and debts
- Charges

MEALS AND BARS MANAGEMENT

- Stocks
- Bookings, per student and per school
- Values definition
- Meals and menus queries
- Consumptions registry
- Reports

SOCIAL ACTION MANAGEMENT

- Rules and Formulas
- Pre-registrations (transports, textbooks, meals...)
- Levels of social action and customized levels
- Payments
- Statement of debts

- Integration with banking operators to allow payments by ATM (e.g.: SIBS in Portugal and Interbancos in Mozambique)
- Integration with RFID cards system or biometric sensors for control of access and payments
- Integration with mobile operators to send SMS to users

RESOURCES MONITORING

- Computer and electronic resources optimization and control
- Expenses and equipment wear analysis
- Inventorying
- Report

SCHOOL MANAGEMENT AND INVENTORYING

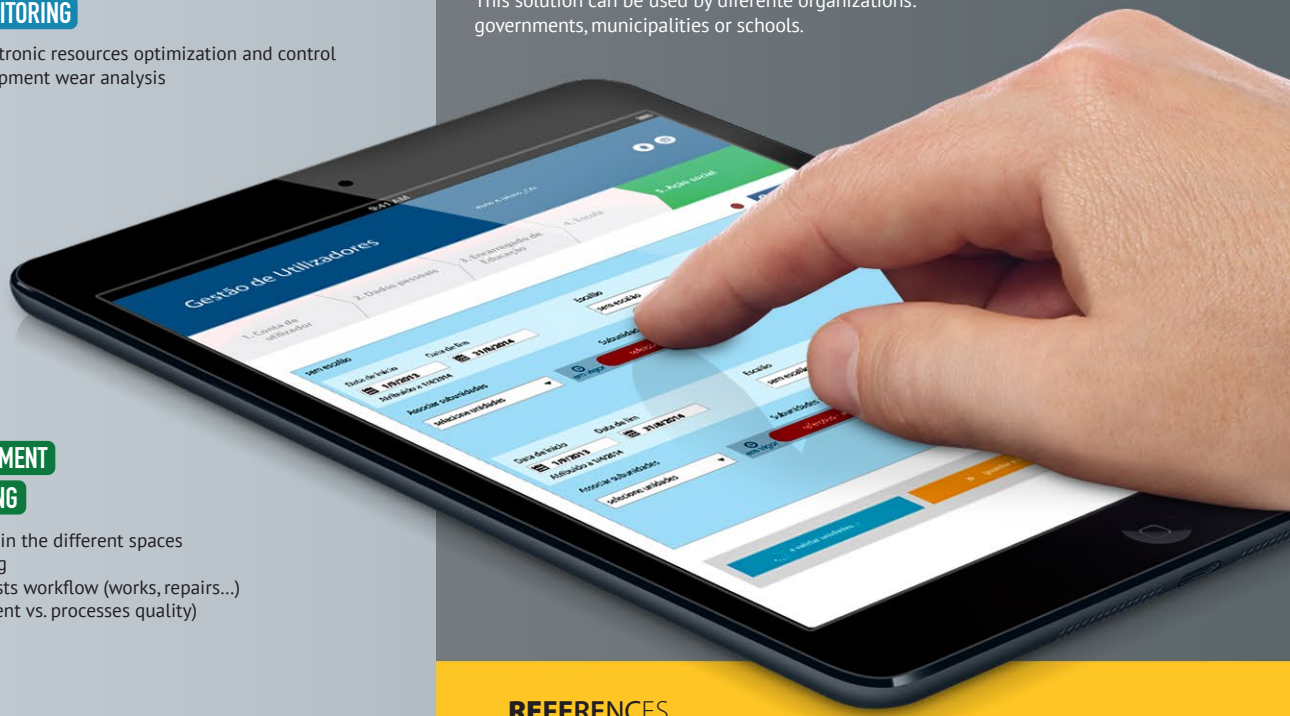
- Equipment control in the different spaces
- School inventorying
- Intervention requests workflow (works, repairs...)
- Reports (money spent vs. processes quality)

TRANSPORT MANAGEMENT

- Circuits creation and attribution
- Support to the decision and help in optimizing routes
- Financial and estimate of costs reports
- Centralized information

Quick and effective management of the entire educational process

SIGA is a modular and customizable platform that can be adapted to different realities and that allows the management of several educational processes online. This integrated management system supports school, administrative and management activities – inside and outside the classroom. It is valuable regarding the streamlining of processes, the increased efficiency of services and quality of the education, meeting the most specific needs of the different stakeholders taking part in the educational process.
This solution can be used by diferente organizations: governments, municipalities or schools.



REFERENCES

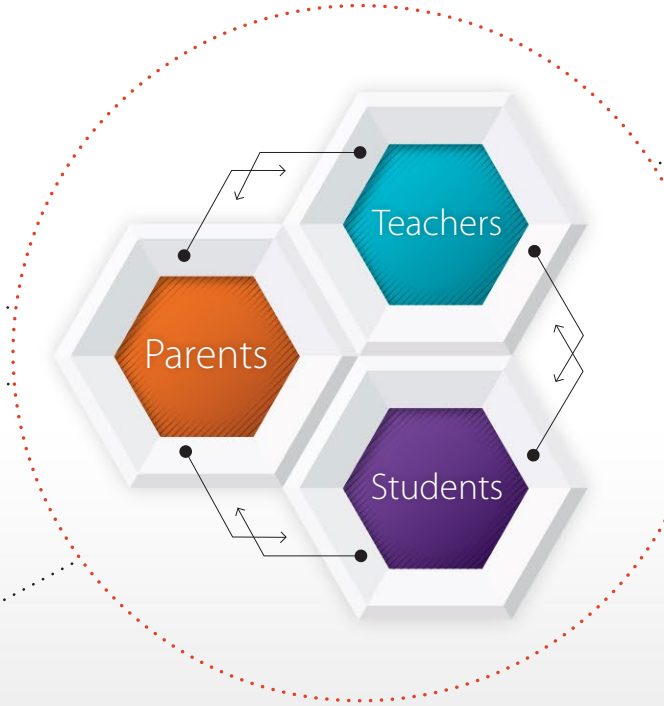
Portugal - The platform was implemented in more than 120 municipalities to be used by approximately 150,000 students and 70,000 parents from 1,500 schools.

USA - The platform was implemented in more than 150 schools to be used by approximately 70.000 students in USA.

Mozambique - The academic management solution was implemented in two universities and three private schools received the school management solution. The academic record was implemented in more than 100 schools. Approximately 30,000 students use these solutions.

Angola - The academic management solution was implemented in one university and three private schools received the school management solution. More than 10,000 students use these solutions.

CLASSROOM MANAGEMENT



CLASSROOM MANAGEMENT

- Printers management
- Devices management
- Students record
- Information bar for students
- File transfer and archive
- Live teaching (demo)
- Virtual whiteboard
- Internet Co-browse
- Group leaders
- Toolbar for teachers
- Classroom monitoring (screens, messages, keyboards, Internet, audio...)
- Assistant tutor application
- Inquiries
- Tests, exams and exercises
- Questions and answers module

...

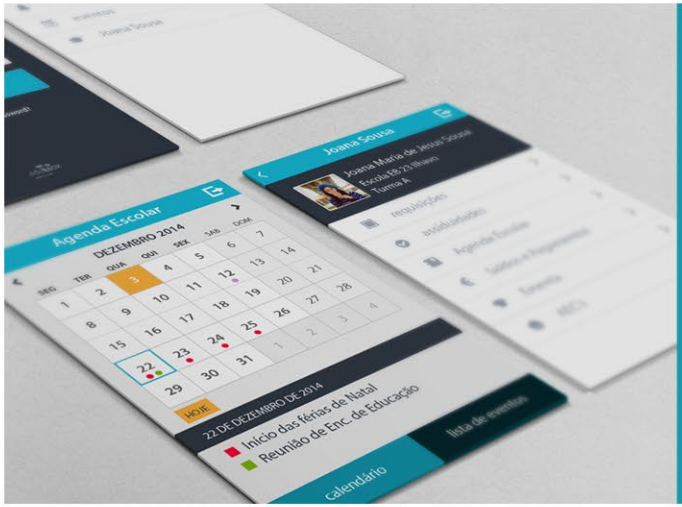
CURRICULAR MANAGEMENT

- Courses
- Subjects
- Curricular plans
- Classes and sub-classes
- Maps and time sheets
- Questionnaires
- Mediatheque
- Reports

phonenear

Family protection and location service

- Geo-fencing
- Notifications
- Emergency alerts
- Messages
- Protection against phone loss or theft
- Reports
- Windows, Mac OS and Browser



SEI2E

Parents

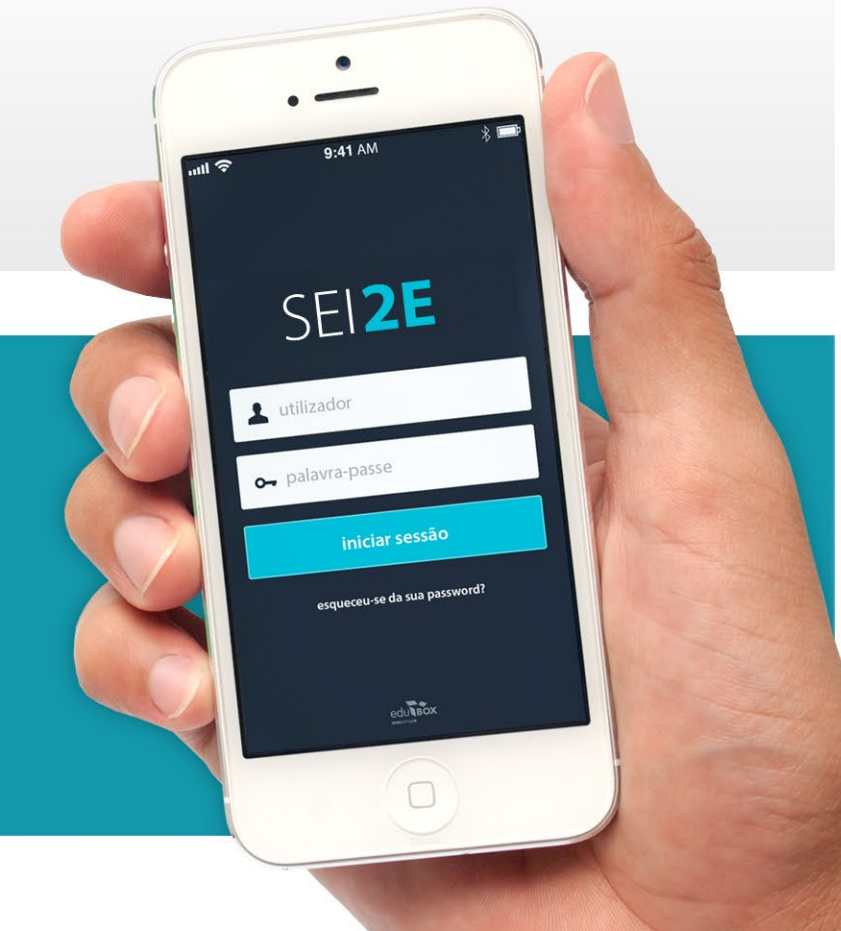
- Notifications
- Events
- Requests
- Attendance
- School Agenda
- Balance and payments
- Menus
- Android, Windows, IOS

CLASSES AND EVALUATION MANAGEMENT

- Timetables
- Summaries
- Classes coordination
- Evaluation
- Reports

ACADEMIC RECORD MANAGEMENT

- Teachers and students
- Reports
- Portfolios



PRIVATE SOCIAL NETWORKS

COLLABORATIVE EDITOR

WORKS

PRIVATE BLOGS

MESSAGES

EDUCATIONAL GAMES

PHOTO ALBUM

SCHOOL'S PORTAL

SCHEDULES

PRIVATE CHAT

INTEGRATION WITH MOODLE

PARENTS ASSOCIATION PORTAL

FILE SHARE

COLLABORATIVE **PLATFORM**

This platform is an educational area for collaboration, communication and sharing between students, parents and teachers. Simply and safely, it allows a gradual approach to ICT, developing essential e-skills, naturally integrated in the practices of formal and informal teaching, in the classroom and in extracurricular activities, at school, during free time, at home or anywhere.

With collaboration and sharing as the main concepts, this platform provides a set of Web 2.0 functionalities especially selected and adapted to the school environments of the 1st and 2nd cycles of elementary education, so as to be highly used and simple to learn.

CONTENTS

kookie®

The quality of the contents encourages the excellence of teaching

Kookie represents the outcome of years of research and development within the integration of new technologies in an educational context. The contents made available were designed with all the scientific and pedagogic rigour by a team of teachers, and structured according to the programme's guidelines of the different subjects – Portuguese, Mathematics, Sciences (Biology, Physics and Chemistry), Financial Education, Arts and English. Available on the Web, they can be used in formal and informal contexts and in different media – computers, interactive boards and tables, tablets, smart phones, and others. This way, the process of knowledge acquisition becomes flexible, dynamic and motivating, developing according to the student's pace.

- Diversity of multimedia resources (audio, video and animation) with high parameterization and randomness

- Contents: Interdisciplinary, multilingual and multi-platform

Available on the App Store

ANDROID APP ON Google play

Windows Phone

available in the chrome web store

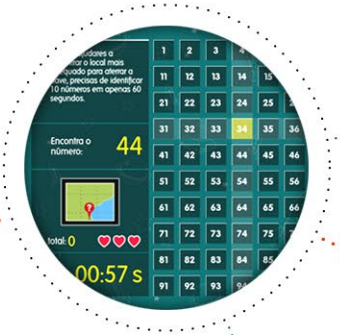
REFERENCES

Kookie's resources are downloaded in more than 106 countries through several markets.
Its use is most prominent in Mexico, Brazil, USA, UK, Portugal, Spain, China, Australia and Saudi Arabia.

Portugal
Often used by more than 150,000 students and, each year, more than 2,000,000 tests are performed.

Spain
Used by more than 10,000 students of 20 schools within the scope of Project Attica.

Mozambique
Often used by more than 50,000 students and, each year, more than 200,000 tests are performed.



- Educational and knowledge consolidation games

- More than 2,000 question generator models that support training, competition, diagnostic and evaluation tests

- Programmatic contents prepared according to the school year and scientific area

- Educational and recreational and knowledge systematization activities

- Immediate access to results achieved in tests

powered by:

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pmate

EDUCATIONAL MATERIAL AND EQUIPMENT

School is, and must be, a place where knowledge flows, creatively and freely, with support to educational materials and equipment that facilitate its internalization in an innovative and motivating manner, encouraging curiosity and the desire to learn. The purpose of these materials and equipment is to enrich and mediate the construction of knowledge by associating theory and practice, contributing to the assimilation and sedimentation of knowledge.

ELEMENTARY SCIENCES KIT

BIOLOGY KIT (STUDENTS AND/OR TEACHERS)

PHYSICS I, II AND III KIT

LAB MATERIAL KIT

To reinforce the sciences role in the process of education and learning

and bring experimental work to the core of education is the purpose of this mobile and compact lab that supports and hosts a set of material and equipment, which can be fully customized regarding both logos and kits.

Boards

Writing boards
Cork boards
Interior covered notice boards

Markers and eraser
Cleaning kits for Whiteboards

MATHEMATICS

LANGUAGES

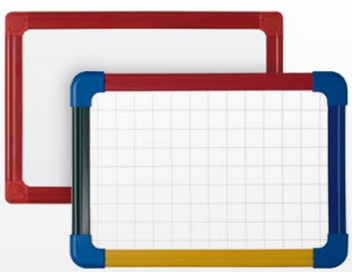
SOCIAL ENVIRONMENT

CHESS

SPEECH THERAPY

Educational kits

The educational kits enable the creation of opportunities so that theoretical and practical education can be made in total communion. This way, it is possible that students understand phenomena and concepts that sometimes are difficult. Their use in a classroom stimulates imagination. And the experimentation itself triggers curiosity and the desire to learn.



REFERENCES

Portugal
More than 1,000 Portuguese schools were equipped, where more than 120,000 ceramic boards, cork boards and covered notice boards were installed. More than 50,000 English kits and 1,000 Speech Therapy kits were also sold.

Mozambique
Approximately 500 schools were equipped and more than 50 mobile stands for sciences were installed.

USA
More than 1,000,000 classrooms were equipped with whiteboards, cork boards and several course materials. Training rooms were equipped for the Marine Corps of the United States.

United Kingdom
More than 500,000 classrooms were equipped with whiteboards, cork boards and several course materials.

France
More than 200 schools have been equipped.

The Bi-Silque, Bi-Office and Bi-Bright products are sold in over 80 countries.

FURNITURE

We develop complete and integrated educational solutions of school furniture and technology implementation considering the different areas – classrooms, art rooms, cafeterias, libraries, gyms, labs, ICT rooms, open-air and multipurpose areas and rooms for students with special education needs. We value inclusive areas that promote learning and interaction between teachers and students. Because each case is unique, we carry out implementation studies and design technical drawings and 2D and 3D layouts.

REFERENCES

Portugal
Over 200 schools were equipped with school furniture, and more than 20 projects were implemented for which 2D and 3D layouts were made.

Mozambique
Over 30,000 double school desks were sold in the scope of the World Bank tender.

classroom
cafeteria
pre-school
library
laboratory

gym
office
multi-purpose
open-air
special education needs

Flex Chair

Available colors:

1. Ergonomic and confortable
2. Flexible and robust
3. Very light weight
4. Stackable for better storage
5. Washable and waterptoof

Age	Height (seat)	Age
3 -4	25 cm	1
4 -6	30 cm	2
6 - 10	35 cm	3
10 - 12	29 cm	4
+ 14	45 cm	6

TRAINING

Training plan

CHARACTERIZATION

- **PHASE I** - training sessions in Information and Communications Technology (30 hours)
- **PHASE II** - training sessions in exploring the software and building and using digital educational resources (30 hours + 20 hours)
- **TARGET AUDIENCE:** teachers

CONTENTS

Introductory questions regarding interaction with the interactive board:

- basic functionalities
- software installation and configuration procedures of the interactive whiteboard
- computer, video projector and interactive whiteboard connection procedures
- use of the interactive whiteboard different tools
- exploration of the different work environments (whiteboard, full screen and Internet) and adaptation of the "black board" contents to the interactive whiteboard
- preparation of interactive resources/materials in the different curricular areas based on the interactive whiteboard's several tools
- adaptation of digital contents to use in the classroom

REFERENCES

Portugal - Continuous training sessions provided to more than 10,500 teachers.

Spain - Qualification of 100 teachers in the scope of the ATTICA Project.

Mozambique - Qualification of approximately 1,000 teachers in the scope of the Pensas Project.

Computer basic training at user level:

- Internet
- connections
- connectivity
- equipment's maintenance
- use of the Internet when collecting materials and contents
- image editing
- desktop customization

Use of Bi-Bright® academy and SEI platform

- functionalities of the teacher and student's area
- exploration of multimedia contents available in the Bi-Bright academy platform and Kookie

OBJECTIVES

- development of skills when using the ICT within the classroom
- provide access to a repository of educational resources (activities, class plans, videos, games, worksheets, contents, software...)
- promote practices that lead to the student's involvement
- encourage, through the use of ICT, the creation of learning contexts in which critical thinking and creativity are valued
- build a skilled group of trainees with teaching experience capable of training other teachers
- contribute to the improvement in the quality of education

Qualification of more than 2,000 teachers on the use of technology within the scope of multimedia labs supply.

Brazil - Training sessions provided to about 5,000 teachers, future trainers in ICT, in several prefectures. E.g.: Votuporanga (SP), Navegantes (SC), Descalvado (SP)

Egypt - Training sessions for teachers from more than 250 schools.

Bi-Bright® academy

Bi-Bright Academy is a platform whose purpose is to promote knowledge and access to resources that allow the creation of innovative dynamics taking into consideration the new education solutions.

The interactive whiteboard is a technological equipment that encourages the involvement of its users and promotes interactivity, creativity, collaboration and communication.

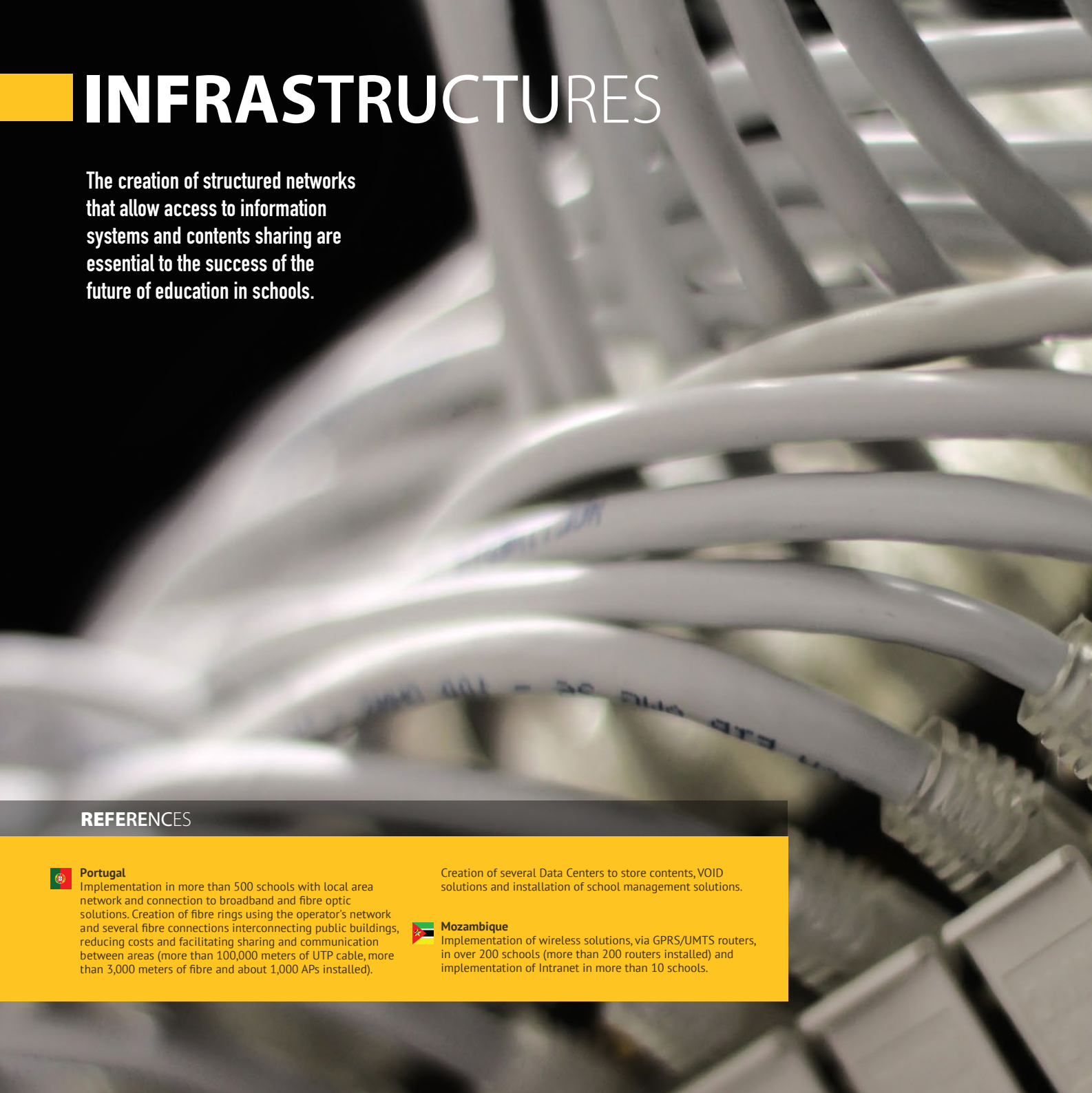
This platform is based on three fundamental grounds:

- shares a repository of contents, where teachers and students can access a wide variety of resources, activities, class plans, games, worksheets, tools, videos, contents, software, etc.;
- encourages courses and/or training by means of e-learning to help teachers, students, installers and partners to make the most of using the devices in the classroom;
- promotes the use of ICT through interactive devices.

Bi-Bright Academy intends to contribute to the spreading of Skills for the 21st century, as well as creating new learning environments, with the introduction of methods that promote an inclusive and collaborative education.

INFRASTRUCTURES

The creation of structured networks that allow access to information systems and contents sharing are essential to the success of the future of education in schools.



REFERENCES

Portugal
Implementation in more than 500 schools with local area network and connection to broadband and fibre optic solutions. Creation of fibre rings using the operator's network and several fibre connections interconnecting public buildings, reducing costs and facilitating sharing and communication between areas (more than 100,000 meters of UTP cable, more than 3,000 meters of fibre and about 1,000 APs installed).

Creation of several Data Centers to store contents, VOID solutions and installation of school management solutions.

Mozambique
Implementation of wireless solutions, via GPRS/UMTS routers, in over 200 schools (more than 200 routers installed) and implementation of Intranet in more than 10 schools.

The existence of a local area network is essential, but above all, the assurance of interconnection between buildings and efficient access to the World Wide Web. Without this component it is impossible to correctly share contents or to computer manage the processes. This component is the foundation of a global solution of education.

LOCAL AREA NETWORK (LAN)

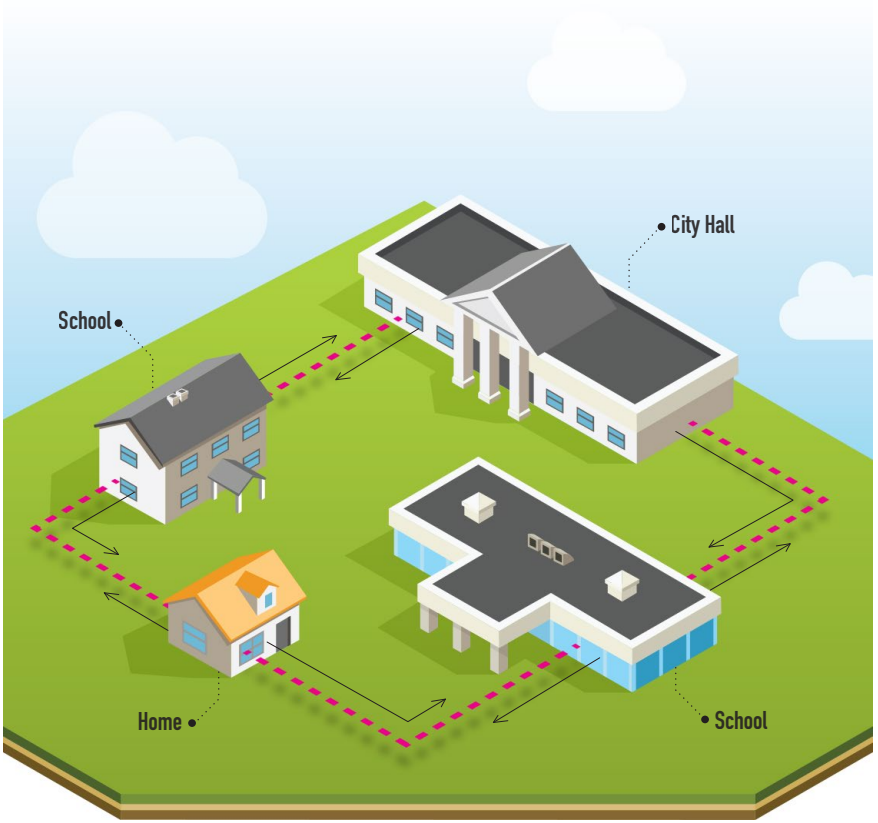
Considering LAN, two components are included: the wired network component (LAN Wired) and the wi-fi or wireless component (WLAN):

Lan Wired – this component is the first of the chain, as it is necessary to allow the connection of all devices (APs, video surveillance cameras, etc.) to the network.

Wlan – the great advantage of this component is the total mobility of users who can start using the computer anywhere in school with wireless coverage, without any connection cable. It also allows the use of a single Internet access by every user in school, in a safe and independent manner. Integration with other devices is possible, such as printers, cameras, PDA, telephones, etc., regardless of their physical location, as long as they operate within the system's coverage area.

INTERCONNECTION NETWORK BETWEEN BUILDINGS

Interconnection between buildings of the same school or between racks will be made through fibre optic, to ensure better performance in their communications and also due to excessive distances.



NETWORK SAFETY

Network safety is achieved through functionalities provided by the proposed equipment, such as:

- Keywords, encryption and authentication
- Authentication server
- Wireless controller

COSTS REDUCTION

This centralized solution allows each school to be directly connected to a central website, from which the network management will be made. At the website, a voice server can also be installed, through IP telephony, serving each school connected. This way, it will not be necessary to purchase voice servers to each location, operating as if it was a LAN. As a central infrastructure, it provides the customer a reduction of costs regarding voice communications.

WAN/MAN

Technical characteristics:

- This network is based on the VPNIP/MPLS technology, assuring national coverage.
- Connection to schools through fibre optic.
- Access to the Internet through broadband at schools.

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