Project Summary

Project Title:

IT Device Assembling Capability Building of the Developing Nations

Implementing Institution:

CIFAL Shanghai International Training Center

Date: 2013-9-23

CIFAL Shanghai (Centre International de Formation des Autorités Locales – International Training Centre for Local Authorities) is a cooperation institute between Shanghai government and UNITAR. It is a hub for capacity building and knowledge sharing between local authorities, national governments, international organizations, the private sector and the academics, mainly of the developing countries. During the period, CIFAL Shanghai carried out its program of IT Device Assembling Capability Building of the Developing Nations, helping in promoting the welfare of people in developing countries. We promote the proliferation of IT assembling technique among the developing countries, to enhance the local people of these countries the capability of speeding economic growth and social development.

1. Introduction

The project of IT Device Assembling Capability Building of the Developing Nations has come to a successful conclusion. It is endorsed by **PEREZ-GUERRERO TRUST FUND** of UNDP and submitted by CIFAL Shanghai.

It is a platform for experience and application exchange, which is aimed at helping developing countries learn advanced experience of each other in the area of IT Device Assembling, and discussing the most useful and practical applications in developing countries. The implementation of this project will lead to general benefits for cities in developing countries.

2. Background

Today, the world is facing predicaments of energy shortage, resources exhaustion, natural ecologic imbalance, environment pollution, climate change, etc. In this regard, IT industry is playing an irreplaceable role with its powerful capacity of data processing, procedure reform, monitoring, as well as meticulous management and control. The use of IT devices has enabled governments and business to function more efficiently and effectively, to promote economic growth and social development, and to ensure a better society and more convenience to the citizens. It calls for our joint efforts with different countries to facilitate ICT development, especially in developing countries.

China is the largest developing country and is willing to take the responsibility of initiating

constructive reforms and innovations in ICT field, with the hope to help other developing countries catch up with the latest trend and improve local economic conditions.

With decades of expertise in providing ICT training and international forums, CIFAL Shanghai is a hub for capacity building and knowledge sharing in ICT industry with local authorities, national governments, international organizations, private sectors and the academics.

3. Working Team

- ✧ Mr. WANG Genxiang: Director
- ✧ Mr. WU Yugang: Deputy Director
- ✧ Ms. WANG Kemin: Deputy Director
- ✧ Dr. Qiao Yuanqing: Trainer
- ✧ Ms. Wang Jie: Project Coordinator
- ✧ Ms. MAO Yisheng: Project Coordinator
- ✧ Ms. WANG Yumin: Project Coordinator
- ✧ Ms. ZHANG Jia: Project Coordinator
- ✧ Ms. GU Yang: Project Coordinator

4. Project Achievements

- ✧ Having helped developing countries learn advanced experience of IT assembling in China;
- ✧ Having raised the awareness of researchers and citizens to explore the application of IT applications;
- ✧ Having potentially accelerated the development of IT assembling capacity in developing countries;
- ✧ Having enhanced the understanding and mutual trust between countries;
- ✧ Expected to realize the cooperation in this field between cities in the long run.

5. Strategy

- ✧ Set up an academic and application exchange platform to address problems and explore solutions in this field;
- ✧ Carry out workshops to enhance the exchange and communication between the participating countries.

6. Concrete Performances

- ✧ Case study
- ✧ Workshop
- ✧ Site Visit
- ✧ City Tour
- ✧ Distant Communication

7. Methodology

UNITAR (United Nations Institute for Training and Research) CityShare Methodology has been applied in project activities:

UNITAR CityShare Methodology was used across the group events. Participants from different countries were encouraged to propose their virtual project topics, and organize topic groups to simulate a project planning process. In the group planning, CityShare Methodology is used for self-assessments and cross assessments.

8. Workshop and Site Visit

2 workshops and 4 site visits were conducted in the year of 2012. Total 71 participants from the developing countries attended the workshops. 35 participants from 21 developing countries: Pakistan, Palestine, North Korea, Kyrgyzstan, Myanmar, Nepal, Vietnam, Ethiopia, Guinea-Bissau, Ghana, Zimbabwe, Malawi, Mauritius, Mozambique, Sierra Leone, Zanzibar, Sudan, Tanzania, Uganda, Jamaica, Albania took part in the Workshop on IT Device Assembling Capability Building I, and another 36 participants from 21 developing countries: Papua New Guinea, Ethiopia, Burundi, Ghana, Zimbabwe, Kenya, Malawi, Nigeria, Zanzibar, Uganda, Bolivia, Cuba, Bosnia and Herzegovina, Macedonia, Pakistan, Palestine, North Korea, Kyrgyzstan, Laos, Nepal, Yemen, took part in the Workshop on IT Device Assembling Capability Building II. After workshop, the participants made site visits to companies to know more about the procedures on the IT device manufacturing.

9. Conclusion

Under the support of PEREZ-GUERRERO TRUST FUND, participants from more than twenty developing countries benefited by the project of IT Device Assembling Capability Building of the Developing Nations. Through workshops and site visits, participants learned about the R&D and manufacturing processes of information technology products such as mobile system equipment and terminal equipment, and learned the basic knowledge and principles of the development of financial electronic equipment, electronic product manufacturing, and network information systems. They learned not only the history of some company growth, but also a microcosm of the informationization process in China and even the world.

10. Annex

● Participant list

    Participant list for workshop I

    Participant list for workshop II

● Training Material

    Agenda for workshop I

    Agenda for workshop II

    Report of Site Visit I-1

    Report of Site Visit I-2

    Report of Site Visit II-1

    Report of Site Visit II-2

● Financial report

Workshop on IT Device Assembling Capability Building II

Venue: Floor 3 Meeting Room, Howard Johnson Hotel, Shanghai

Date: September 2, 2012

Language: English
Chairperson: Dr. Bridge Qiao

Agenda

Time	Activity
08:30-09:30	Registration
09:30-10:10	**Opening** Chair: Dr. Bridge Qiao **Opening Address:** 1. Speech by Mr. CHEN Yuehua, Deputy Director-General, Shanghai Municipal Commission of Economy and Informatization 2. Speech by Mr. SANG Qi, Deputy Secretary-General, Shanghai Municipal Commission of Commerce 3. Speech by Mr. WANG Genxiang, Director, CIFAL Shanghai International Training Center 4. Speech by the Participant Representative, Mr. Steve Nii Nai Mensah, Public Relations Officer, Ministry of Communications of Ghana
10:10-10:20	Group Photo
10:20-11:40	**Keynote Speech1:** "Chinese Chip" -Application of Longson Computer Ms. ZHANG Min, Director, Marketing Department, Lemote Technology Co., Ltd.
11:40-11:50	**Discussion Q & A**
12:00-14:00	**Lunch**

14:00-14:30	**Keynote Speech 2：** Solar energy for family supply Mr. HE Gong, Senior Engineer, Tian Hai Group
14:30-15:00	**Discussion, Q&A**
15:00-15:30	**Tea Break**
15:30-16:00	**Keynote Speech 3：** C2 Technology: Design and Production of Pad Mr.WANG HAO, General Manager, Shanghai C2 Technology Co., Ltd.
16:00-16:30	**Discussion, Q&A**
16:30-17:00	**Summary and Comments**

The workshop was sponsored PGTF INT-12-K11.

Workshop on IT Device Assembling Capability Building I

(the workshop was sponsored PGTF INT12K11)

Date:　　　　　April 12, 2012
Venue：　　　　Mongolia Function Room，Kaibo Jiahao Hotel
Language：　　English
Chairperson:　Dr. Bridge Qiao

Agenda

Time	Activity
08:30-09:30	Registration
09:30-10:00	**Opening** 　　Chair：Dr. Bridge Qiao **Opening Address:** 　　Mr. LIU Jian, Deputy Director-General, Shanghai Municipal Commission of Economy and Informatization 　　Mr. SANG Qi, Deputy Secretary-General, Shanghai Municipal Commission of Commerce 　　Speech by Mr. WANG Genxiang, Director, CIFAL Shanghai International Training Center 　　Speech by the Participant Representative,
10:00-10:20	**Group Photo**
10:10-11:40	**Keynote Speech1：** 　　China Data Center Solution 　　Mr. SHAN Hongyin，Shanghai Ingeek Information Technology Co. Ltd.
11:40-12:00	**Discussion1，Q&A**
12:00-14:00	**Lunch**

14:00-15:00	**Keynote Speech2 ：** From Copper to Fiber Dr. QIAN Xiaoqin, Manager of Oversea Business Division, Hetong Group.
15:50-15:20	**Discussion2，Q&A**
15:20-15:30	**Tea Break**
15:30-16:30	**Keynote Speech3：** "Chinese Chip"-Application of Longson Computer Ms. ZHANG Min, Director, Marketing Department, Lemote Technology Co., Ltd.
16:30-16:50	**Discussion3，Q&A**
16:50-17:00	**Summary and Comments**

CIFAL Shanghai

Perez-Guerrero Trust Fund (PGTF) Project:

Site Visit II-2

Date: September 6, 2012

Location: Beijing

Company: Lenovo (Beijing) Co., Ltd.

Purpose: About the history of IT company growth

On September 6, 2012, with support from the Perez-Guerrero Trust Fund (PGTF) project: IT Device Assembling Capability Building of the Developing Nations, the CIFAL Center organized 36 participants from developing countries to travel Beijing to visit Lenovo (Beijing) Co., Ltd. ,Legend Holdings Corporation.

Legend Holdings Corporation (hereinafter referred to as "Legend Holdings") was founded in 1984 by Liu Chuanzhi and 10 other researchers with funding from the Computing Institute of the Chinese Academy of Sciences. Starting from the IT industry, Legend Holdings has gone through the development of over three decades, and now it is a leading diversified investment group in China. It builds up a unique business model of "strategic investments + financial investments" with synergy between the two-wheel-drive businesses. Through value creation and value discovery, the Company cultivates and manages an outstanding investment portfolio with growth potential, driving sustainable value growth.

Under the leadership of the Company's Founder and Chairman, Mr. Liu Chuanzhi, and President, Mr. Zhu Linan, the Company has concluded its distinctive investment concepts and management system based on the deep understanding of economies and enterprises. Through forward-looking layout,

flexible investment strategies and sustained value-added services, Legend Holdings has cultivated a number of influential outstanding enterprises in several sectors. At the same time, Legend Holdings pays high attention and gives full play to talents, discovers and trains leaders in various industries, and provides a career platform for its employees, all of which have greatly stimulated the corporate's vitality for development.

The Company was listed on the main board of Hong Kong Stock Exchange (HK: 03396) on 29 June, 2015. As of 31 December 2016, the revenue of the Group was approx. RMB307.0 billion, and the total asset is approx. RMB322.3 billion.

On the morning of September 6th, 2012, the particpants came to Lenovo (Beijing) Co., Ltd. to visit and inspect, entered the development trend of informatization, and experienced the revolutionary journey of the smart city. As a global leader in the personal computer market, Lenovo is engaged in the development, manufacture and sale of the most reliable, safe and easy-to-use technology products and high-quality professional services to help global customers and partners achieve success. The trainees came down to the welcome hall under the guidance of corporate lecturers and invited a student to launch the launch of the "paper airplane" and opened the door to the Lenovo trip.

Entering Lenovo's showroom is like a time tunnel in the Internet. The trainees first returned to the 80s and came to the home of an ordinary Chinese family. Here, the participants vividly learned that in the era of relatively poor supplies, they symbolized wealthy people. Three home appliances: bicycles, sewing machines and black-and-white TVs. In the 1980s, Liu Chuanzhi led 10 Chinese computer technicians to realize that PC will change people's work and life. With a start-up capital of 200,000 yuan (US$25,000) and a firm determination to turn R&D results into successful products, these 11 researchers started their business in a rented room in Beijing. The young company named it " Legend (legend, English meaning is legendary). In 1994, Lenovo was successfully listed on the Hong Kong Stock Exchange; four years later, Lenovo produced its own millionth personal computer. In 2003,

Lenovo changed its English logo from "Legend" to "Lenovo", in which "Le" was taken from the original logo "Legend", which stands for its traditional tradition, and the new "novo" is taken from the Latin word "New". Representing the core of Lenovo is the spirit of innovation. Jose Marcelo Medina Nuñez Del Prado and Alain Lamadrid Vallina, Spanish-speaking students from Bolivia and Cuba, deeply feel that the name of the association is well-designed. In 2004, Lenovo officially changed its name from "Legend" to "Lenovo." In the company's development process, Lenovo dared to innovate and achieved many major technological breakthroughs, including the successful development of a Lenovo-based Hanka that translates English-language operating systems into Chinese, and developed a personal computer with one-click access to the Internet. , The launch of completely innovative associated application technology, thus establishing Lenovo's important position in the 3C era. With these technologically advanced personal computer products, Lenovo has reached the top of the Chinese IT industry. In 2006, Lenovo had occupied the No. 1 position in China's market share for 10 consecutive years. Lenovo completed the acquisition of IBM's personal computer division in May 2005. The new Lenovo's dream portfolio was formed.

Lenovo's trip has brought participants an information-based audio-visual interactive experience. Each station in the Lenovo showroom is not only the history of corporate growth, but also a microcosm of the informationization process in China and even the world.

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Perez-Guerrero Trust Fund (PGTF) Project:

Site Visit II-2

Date: September 4, 2012

Location: Hangzhou, Zhejiang Province

Company: Oriental Communications Corporation

Objective: Application of Production design and communication equipment

On September 4, 2012, with the support of the Perez-Guerrero Trust Fund (PGTF) project: IT Device Assembling Capability Building of the Developing Nations, the CIFAL Center organized 36 particpants from developing countries to visit the EASTCOM, Inc located In Hangzhou, Zhejiang Province.

Eastcom is a communication company of total solution provider includes electronic financial and networks system. Since its establishment, Eastcom has been dedicated to technology accumulation and sustainable innovation, and these efforts make the leading coverage and integration advantage in the filed of VAS service 、 Network service 、 Financial Electronics & Wireless trucking communications. Currently, our products and solutions have been applied to more than 20 countries and regions in the world, through a full range of professional information network services, effectively supporting the diversity needs of different customers and the pursuit of innovation. Equipped with a national level technology center and a post-doctoral working station, Eastcom has undertaken numerous key national R&D projects. Today, Eastcom is a community of 3000 employees, of which over 70% are managerial and technical professionals.

The participants visited the product display showroom. Through escorting the entire staff, the trainees learned about the application of Eastcom in the financial electronics industry, wireless cluster industry, mobile value-added services, electronic

manufacturing services, and communications service industries.

The participants had a keen interest in bank cards, ATM terminals, software, and overall solutions. They focused on understanding the POTEVIO series ATM financial self-service equipment provided by Orient Communications for major banks. In addition, the production of WCDMA terminals and 3G system products of Eastcom also attracted the attention of students. Eastern Communications' service team can provide product processing services in medical electronics, financial electronics, automotive electronics, home electronics, communications system products, 3G system equipment, all standard mobile phone products, etc., which have been unanimously praised by the The participants.

Through visits to Eastern Communications, participants learned about the R&D and manufacturing processes of mobile system equipment and terminal equipment, and learned the basic knowledge and principles of the development of financial electronic equipment, electronic product manufacturing, and network information systems.

Perez-Guerrero Trust Fund (PGTF) Project:

Site Visit I-2

Date:　　　May 16, 2012

Location:　　Wujiang City, Jiangsu Province

Enterprise:　Hengtong Group

Objective:　Understand the production design and application of communication equipment

On May 16, 2012, with the support of the Perez-Guerrero Trust Fund (PGTF) project: IT Device Assembling Capability Building of the Developing Nations, the CIFAL Center organized 35 participants from developing countries to visit Hengtong Group Co., Ltd. in Wujiang City, Jiangsu Province.

Founded in 1991, Hengtong Group has grown into a national innovative enterprise serving optical fiber optical network, power grid, big data internet, new energy new materials and financial investment. It owns 70 wholly-owned and holding companies and listed companies. (Hengtong Photoelectric 600487) and Hong Kong, Indonesia, set up an R&D industrial base in 13 provinces and 6 countries and regions across the country. It is a leading system integrator and network service provider in China's fiber optic network and power grid. One of the companies, which accounted for 25% of the domestic optical fiber network market and 15% of the global market, were rated as the top 3 global optical fiber communications by the international authoritative analysis agency CRU and the Asia-Pacific Optical Communication Committee, and ranked among the top 500 Chinese enterprises and Top 100 Chinese private enterprises for 13 consecutive years.

Hengtong Group ranked first in the nation's production and sales volume of communications cable products, and its optical fiber and cable products ranked among the top three in the industry. Products are widely used in telecommunications, mobile, China Unicom, radio and television, power, defense, high-speed railways, highways, metropolitan area networks, smart buildings, and mine oil fields.

Entering the showroom of Hengtong Group, the participants first learned about Hengtong's development history through video clips. The exhibition hall showcases the company's existing four major product areas, including: fiber optic communications, copper cable communications, power transmission, and cable materials. The video of the analog production of the 3D display cable attracted the students' attention. The participants learned about the processes that need to be invested in making the optical fiber from the optical fiber perform. In the window, radio frequency coaxial cable is mainly used in mobile communication systems, cable television, broadband access, and other types of cables, and is accompanied by relevant professional explanations, so that students have a clear understanding of it. Cables in different fields have the shape of Hengtong products, such as automotive low-voltage cables, high-speed data cables, and new energy automobile special high-voltage cables used in automobiles; smart grids, marine engineering, and marine cables used in power transmission, high-speed rail locomotives, rail transit, coaxial cables, connectors, lightning arresters, power splitters and other equipment used in mobile communications.

In the factory workshop, each process of fiber optic cable manufacturing is well-organized, leaving the participants with a deep impression. Hengtong already has hundreds of technology patents in the production of optical cables. Through Hengtong's international map, the participants learned that Hengtong has friendly relations with many countries around the world, and they fully recognized the strength of Hengtong Group and the possibility of future cooperation.

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Perez-Guerrero Trust Fund (PGTF) Project:

Site Visit I-1

Date: May 2, 2012

Location: Changshu, Jiangsu

Company: Jiangsu Lemote Technology Co., Ltd.

Objective: To understand the process of computer equipment production

On May 2, 2012, with the support of the Perez-Guerrero Trust Fund (PGTF) project: IT Device Assembling Capability Building of the Developing Nations, the CIFAL Center organized 35 participants from developing countries to visit Jiangsu Lemote Technology Co., Ltd. in Changshu, Jiangsu Province.

Founded in April 2004, Jiangsu Lemote Technology Co., Ltd. is a joint IT enterprise established by Jiangsu Menglan Group, Chinese Academy of Sciences and Suzhou Zhongke Integrated Circuit Design Center. Lemote established the Godson Industrialization Base in Menglan Village, Changshu City, with a total investment of 20 billion yuan. Its R&D results cover a wide range of IT areas such as home appliances, computers, and tax control systems. Lemote focuses on the industrialization of self-controllable, safe and reliable domestic CPU chips, continuously improves the competitiveness of domestic chips, comprehensively enhances the reliability of domestic basic software and hardware systems, and vigorously promotes the integration of R&D and manufacturing, as always, to customers. Provide R&D, design and manufacturing services for all kinds of complete products based on domestic chips, and the industry's informatization optimization solution. Lemote's products cover PDPs, LCD TVs, and computer desktops, POS machines, notebook computers, MP3s, U-discs and other IT products. The

company's independently developed series of industrial control computers, secure trusted computers, high-reliability servers, databases & big data integrated machines, network security equipment and localized security conference systems and other products and programs have been widely used in national key projects and important industries. In the field of autonomous and controllable information security, it has had a significant influence.

First of all, the participants visited the production workshop of Lemote. Through the production line, understand its production process. During the inspection of the product, the participants carefully observed the working procedures of the staff. Kim Song IL and Ryo Kwang Jun from North Korea also asked the staff about the high temperature test of the product. Therefore, the staff explained the testing process of the product in terms of temperature, strength and aging.

Afterwards, the participants came to the multimedia interactive classroom display area equipped with "China Science and Dreamland Interactive Teaching System," and experienced the overall promotion of "Education Cloud" as a whole solution. Including, e-books, two types of cloud terminals, and "Study Dragon" cloud servers that provide massive resources, interactions and applications, can provide students, teachers, parents, schools, and education departments with comprehensive educational information applications and advanced technologies, teaching equipment and its application mode. The participants experienced first-hand the technology and computer tools that will be used in the Chinese classroom in the multimedia interactive classroom.

In the exhibition hall of Lemote, the explainer introduced the development process of Lemote to the participants. The students tried the computer in the exhibition hall to experience the products, including: Foxit mini computer, Yahoo mini notebook and so on.

Through visits, the participants have an intuitive understanding of the R&D, design, and production processes of information technology products.

May. 2011

曦图

2011年5月

Agenda

- C2TECH – The Products & Solutions

- Tablets – From concept to the product

- Tablets SKD – The experience sharing

About C2TECH

- Focusing on the design, development, manufacture, integration & sales of the tablets and tablets based solutions.

- Founded in the Nov.2009 with the R&D center in Shanghai, and factory in Yixing City, Jiangsu Province.
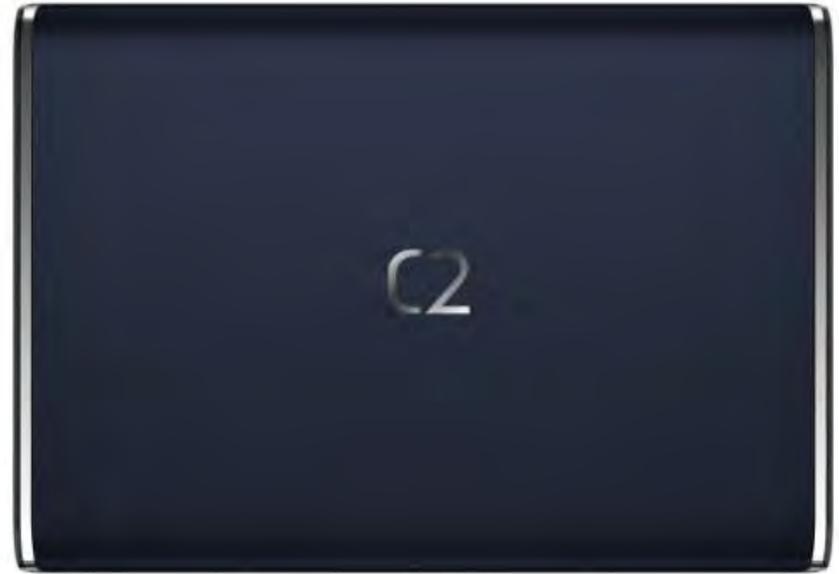
M286 Tablet
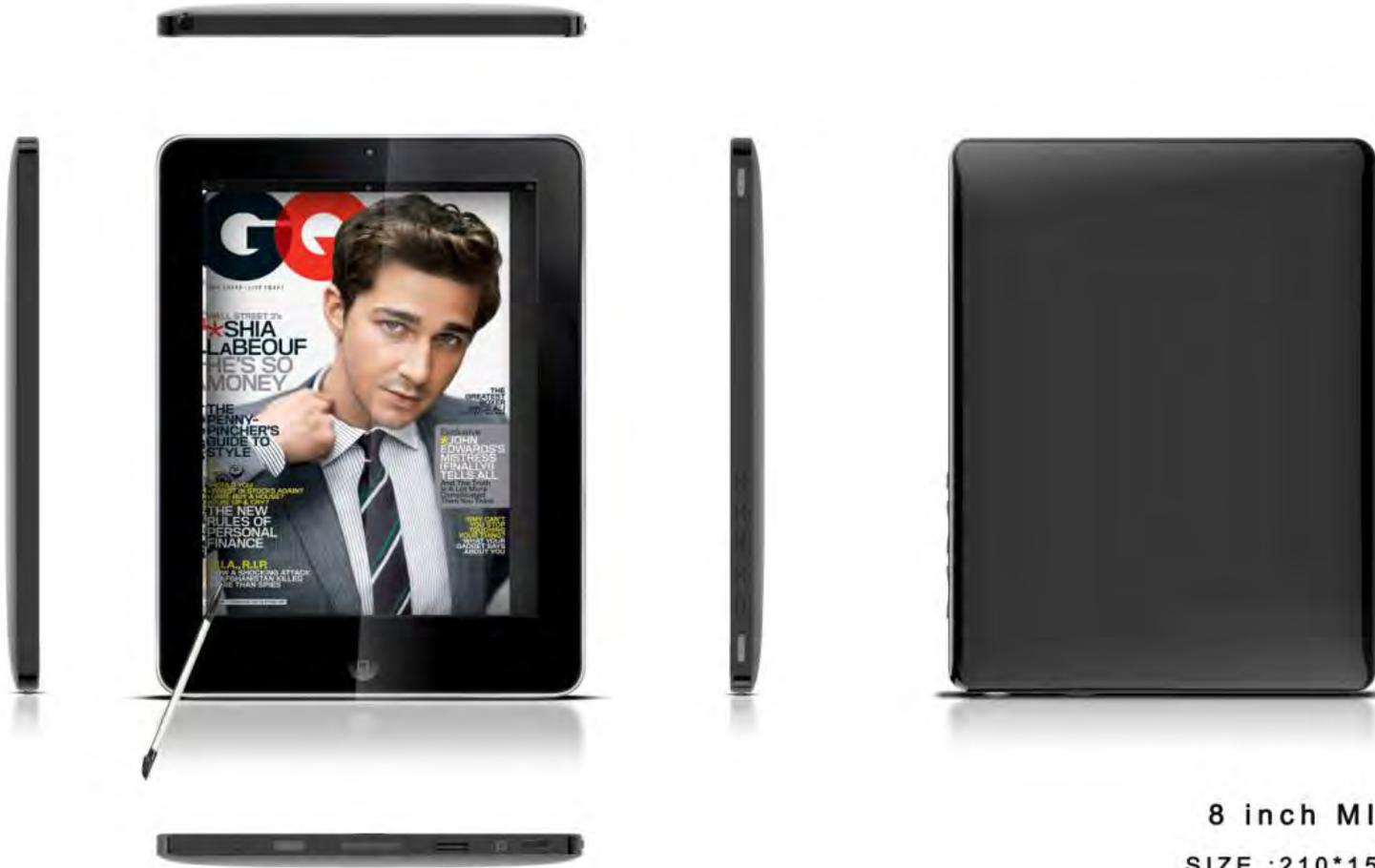
8 inch MID

SIZE :210*158*13

M386 Tablet

Tablets based IT solutions

- Collaborate with AMT which is the largest local company in IT+Management consulting

- Larger screen than the phone

- More mobile, affable & easy of operation than the laptop

教育/培训方案

e-Learning

简况

在当今这个知识爆炸的时代，持续学习，终生学习才能赶上社会的发展。

面临问题

传统的学习方式，从出版到印刷，从购买到阅读都需要较长的周期，无法获得最新的资讯，同时不具备互动和评价的功能。

解决方案

将平板电脑作为知识的载体，可以随时点播课程进行学习，可以评价和互动，可以对学习的结果进行测试。不受时间和地点的限制，实时获取资讯和新知。可以把等车，坐地铁等零星的时间利用起来，不断用知识武装自己的头脑。对于企业和个人，都具有极大的价值。

数据采集/录入方案

环保数据采集

简况

环保局作为政府行政职能部门之一，承担着环境监测、污染控制、环保执法、公众服务等功能。

面临问题

传统的管理方式，都是通过纸面管理，或者现场处理之后再录入电脑的方式。对于信息的查询、污染指标的监测、执法的便捷等等，都有诸多不便。

解决方案

采用平板，每个执法人员人手一台，通过3G网络连接到后台的数据中心。实时处理各种文书，查看污染源在线监测获得的结果，甚至现场开具处罚决定书等。举例说明，对于调查询问笔录，可以现场通过手写方式记录到平板中，然后上传后台数据库，同时立即打印出来让被调查者签字，这可以极大方便环保人员的工作。

Process

- EVT
- DVT
- PVT
- MP

An Example

Product

Knocked Down

Design

Tablets SKD

- Advantages
- Challenges

The Advantages

- Scalable & Low investment
- Very limited resource consumption
- Zero pollution

The Challenge

- Quality
- Supply Chain
- Skill of workers

联系方式

http://www.c2tech.com.cn

Introduction of Lemote

Zhang Heng

Outline

◆**About Loongson**

◆**About Lemote**

◆**Honors**

◆**Products**

◆**Partners**

◆**Markets**

About Loongson CPU

First General Purpose CPU of China, by Chinese Academy of Sicences

Eight Years of development & industrialization

Now Mature & Competitive!

Loongson CPU Roadmap

Performance

LS3C

90-32nm,
4-16cores

LS3B

LS3A

Pentium IV

LS2F

LS2E

0.18-0.09um,
64bit, 4issue

LS2D

Pentium III

LS2C

PentiumII

0.18-0.13um, 32bit

LS1C

LS1B

LS1A

Time

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010
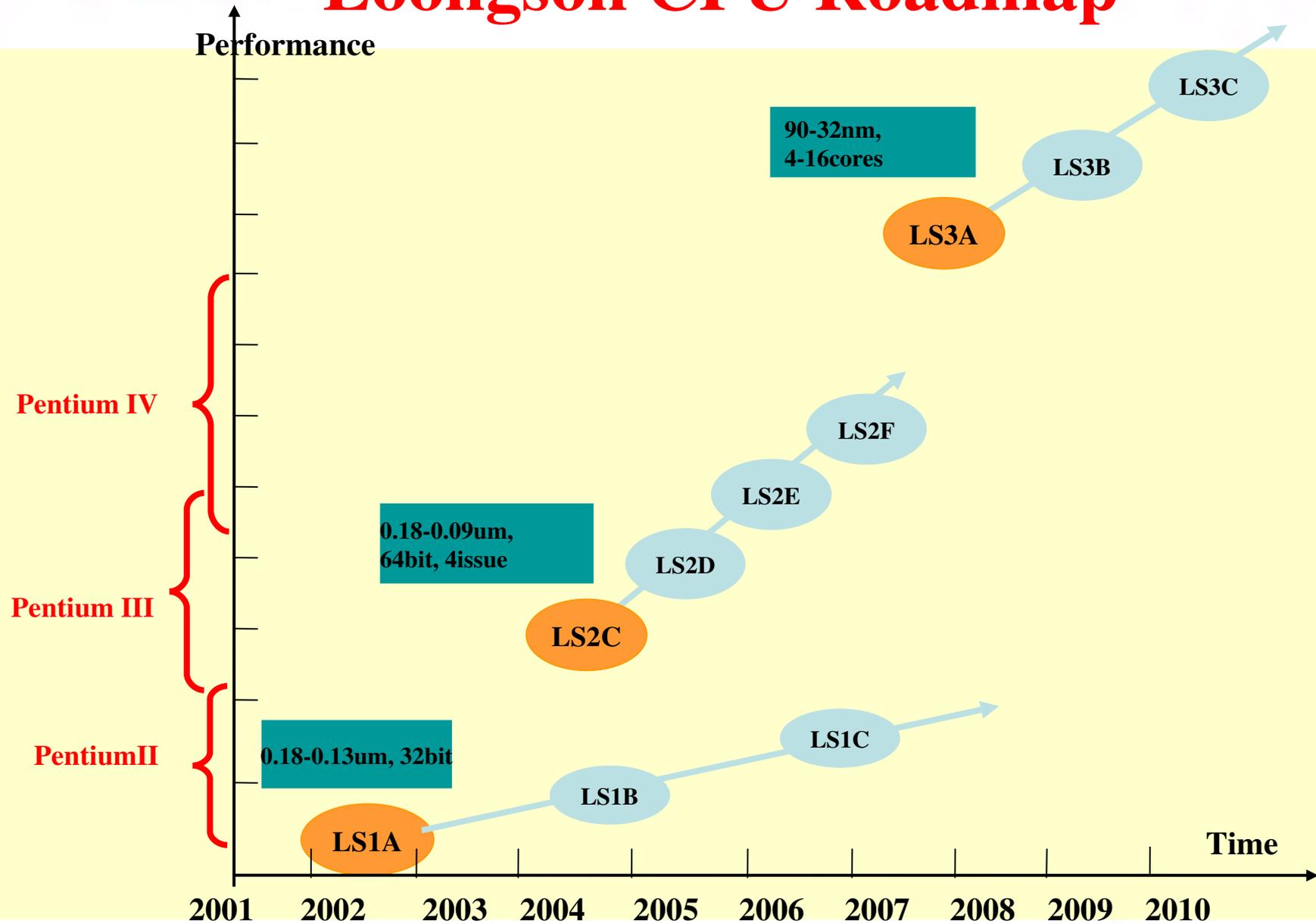
Low end Roadmap: from CPU to SoC

The circled chips are self-designed

2E （2006）

2F （2007）

2F,
2G （2009）

2H （2010）
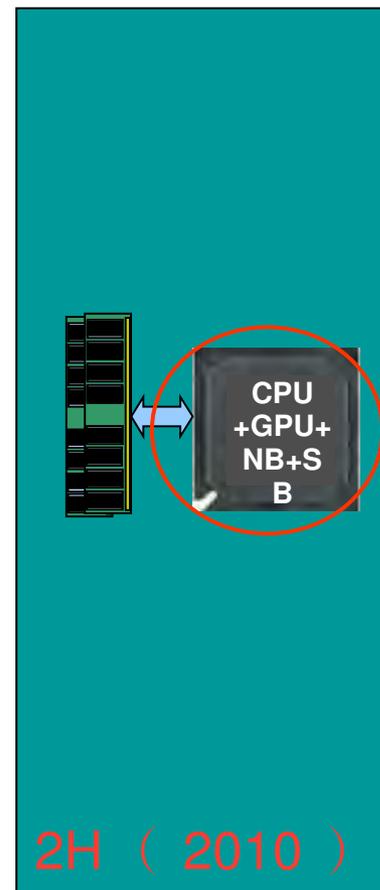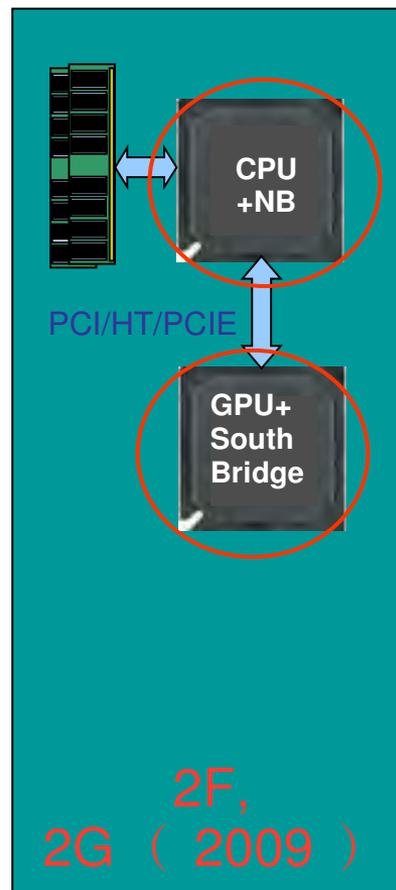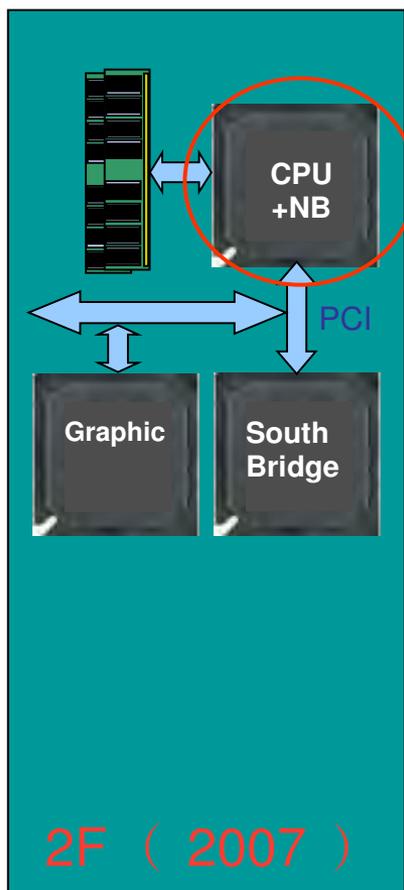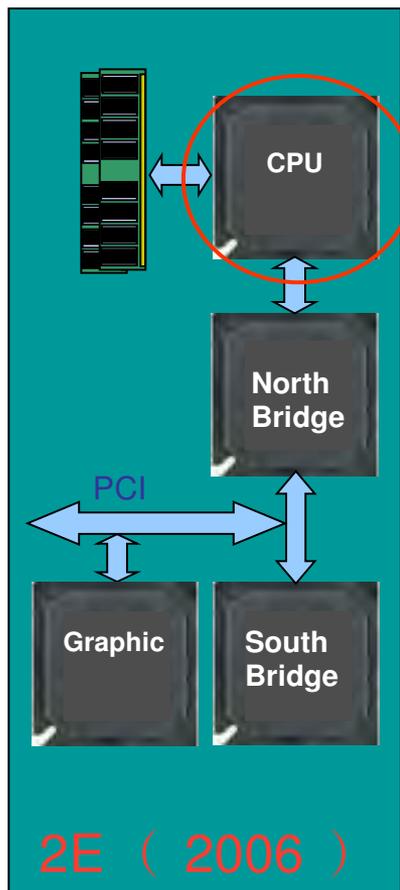
Outline

◆**About Loongson**

◆**About Lemote**

◆**Honors**

◆**Products**

◆**Partners**

◆**Market**

About Lemote

- **Lemote Technology Corporation Ltd.**
  - **From 2004**
- **Share holders**
  - **Institute of Computing Technology**
    - **Famous state-own institute**
  - **Jiangsu Menglan Group**
    - **No.1 brand In Chinese textile**
  - **Government investment & team**
- **Business**
  - **Focus on loongson based solutions and products**

Basical Information(cont.)

- ◆ **150+ employees**
  - ◆ **Experienced at total solutions of various industry**
  - ◆ **Strong R&D capability**
- ◆ **Production line**
  - ◆ **Building ~20K m2**
  - ◆ **Good connections with lots of suppliers**
- ◆ **Funded by goverment**
  - ◆ **Over 8 million dollars funding**
- ◆ **Income**
  - ◆ **~5 million USD in 2008**
  - ◆ **~10million USD in 2009**

Outline

◆**About Loongson**

◆**About Lemote**

◆**Honors**

◆**Products**

◆**Partners**

◆**Market**

Some Certifications
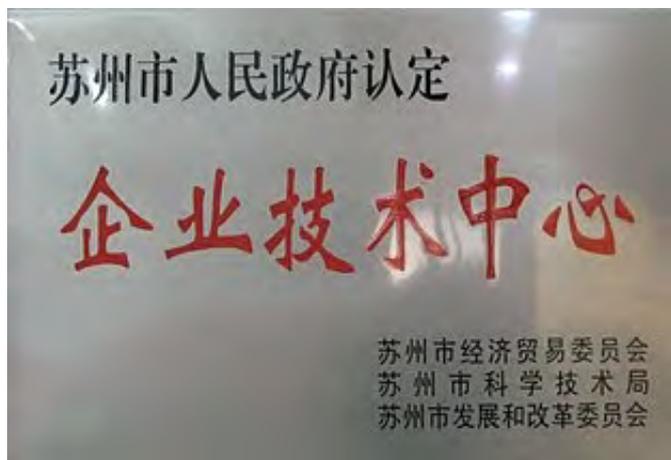
Some Certifications (Cont.)

- Hi-tech Product Certificate （ Lemote/Fuloong Mini-PC ）
- Gold Award of National Invention Exhibition (Loongson CPU)
- Silver Award of National Invention Exhibition (Fuloong Mini-PC)
- Bronze Award of National Invention Exhibition (Myloong NC)
- Certificate of National Key and New Products(Fuloong Mini-PC)
- National Independent Innovation Products Certification(Fuloong Mini-PC)
- New high tech enterprise in Jiangsu Province(Lemote)
- Low Cost Computer Certification

Visitors from the goverment

Outline

◆**About Loongson**

◆**About Lemote**

◆**Honors**

◆**Products**

◆**Partners**

◆**Market**

Products & Service

- **Products ： 4 series**

LynLoong: All-in-One　　　YeeLoong: netbook　　　FuLoong: miniPC　　　　MyLoong: NC

- **Service**

Solutions ： total solutions based on loonson
Technical support ： training&support
Design ： customize ODM

LynLoong All-in-one PC

Model		9S1A	9S2A	9S3A	9S5A
Processor		Loongson 2F, 800－900MHz, integrated DDRⅡ Memory Controller			
Chipset		Northbridge: integrated in CPU Southbridge: AMD CS5536			
Graphics		XGI V2，32MB Video memory			
Storage	Memory	DDRⅡ 512MB			
	Hard Drive	SATA 160GB			SSD 8GB
Panel	Screen size	15.6' w (16:9)			
	Resolution	1366*768			
Audio		Speaker		Speaker	
Input Device		Keyboard, touchpad			
Network		Rtl8139,10/100Mbps			
Operation System					
Interface type	USB2.0	4×USB2.0			
	Audio/Video	VGA, Earphone, Microphone	Earphone, Microphone		
	LAN	RJ45			
Dimension		L * H *T = 390 *330 *180 (mm)			
Weight		4.25 KG			

Yeeloong Notebook

Model		8101	8089B	8089A
Processor		Loongson 2F, 800 − 900MHz		
Chipset		Northbridge: integrated in CPU Southbridge: AMD CS5536		
Graphics		SMI712		
Storage	Memory	DDR II 1G		
	Hard Drive	SATA 160G		SSD 8G
Panel	Screen size	10.1"	8.9"	
	Resolution	1024×600		
	Camera	300K pixel		
Input Device		Keyboard, touchpad		
Network		Rtl8139, 10/100Mbps+ Rtl8187B(wifi)		
Operation System		Redflag Linux / Debian		
Interface type	USB ports	3×USB2.0		2×USB2.0
	Audio/Video	Speaker, Microphone, VGA		
	Card Reader	SD/MMC/MS 3 in 1		
	Battery	3-Cell		
Dimension		L *H * T = 255*188*250(mm)		
Weight		1.1Kg		

Fuloong Mini-PC

Model	FL6004	FL6014	FL6005	FL6015
Processor	Loongson 2F, 800－900MHz, integrated DDRⅡ Memory Controller			
Chipset	Northbridge: integrated in CPU Southbridge: AMD CS5536			
Graphics	XGI V2，32MB Video memory			
Memory	DDRⅡ 512MB（Support up to 1G）			
Hard Drive	SATA 160G	SSD 8G	SATA 160G	SSD8G
Audio	AC'97，Realtek ALC 655			
Network	Realtek RTL 8110SC 1000Mbps			
Operation System	Redflag Linux / Debian			
Interface type	4*USB2.0			
	VGA、DVI、S-Video		VGA	
	IR interface		/	
Dimension	L *H * T = 181*145*37（mm）			
Weight	0.78KG			

Total solution for Education

Total Solution for Education(cont.)

- Green
  - Low power:~10% power consumption vs. PC
  - Virus free
  - Low Noice
- Low TCO
  - Lots of software(free software)&content embedded
  - Low run cost+Easy maintain
- Advance Teaching mode
  - E-learning classroom control/Interactive teaching/instant queries etc.

Outline

◆ **About Loongson**

◆ **About Lemote**

◆ **Honors**

◆ **Products**

◆ **Partners**

◆ **Market**

Partners

Outline

◆**About Loongson**

◆**About Lemote**

◆**Honors**

◆**Products**

◆**Partners**

◆**Market**

"Loongosn" Teenager Science Festival in Changshu in 2009

Changshu Experimental Primary School

Changshu Shi Mei Primary School

Changshu Experimental Primary School

Acitve classroom in Guizhou Province

Yeeloong Notebook classroom in Yunan Province

Yeeloong Notebook classroom in Guizhou Province

Yeeloong Notebook classroom in Yunan Province

ChangJun Middle School of Changsha in Hunan Province --Lyloong All-in-one PC Classroom

Tibetan Primary School in Qinghai Province

Yeeloong Notebook Classroom in Hunan Province

Primary School i n Qinghai Province

XiaoDe Primary School in Sichuan Province

CAS Hope Primary School in Sichuan Earthquake-stricken Area

CAS Hope Primary School in Sichuan Earthquake-stricken Area

CAS Hope Primary School in Sichuan Earthquake-stricken Area

2009.11.02, Jiangsu Provincial Governor Luo Visit Changshu to view Loongson Enducational Application

Markets

◆Chinese education market

    ◆Educational project,

- 150K in Jiangsu Province 2010
- 1.5M for West China 2010-2011

      ◆ Huge market + government push

        ◆> 100 million high school students

◆Rural Area information systems

–Information stations

◆Thin clients

–banks/hospitals/hotels etc.

Loongson + Free software = Open platform

- Lemote involve deeply with Free Software
  - Linux OS:
    - debian/gNewSense/gentoo/slackware
    - Co-create, redflag, mandriva
  - Boot loader:
    - PMON, U-boot
- Co-operation with Free Software Foundation
  - Yeeloong + gNewSense: A truly free computer!
  - Richard Stallman adopt Yeeloong as his computer
  - First hardware acquired FSF endorsement

Lemote's Open Strategy

- Open source
    - dev.lemote.com
- Lemote Developer sponsor plan
    - Developers can apply hardwares from Lemote for developing free softwares
        - Hundreds of developers world-wide got Lemote machines
- Participate actively in OSS comunities

**2007/10/22 Donate Lemote Laptop to Mr.Ian Murdock
The founder of Debian**

Situation of Free Software on Loongson

- What are we doing?
  - Linux kernel for Loongson
  - GNU Toolchain for Loongson
  - Software Optimizations:glibc, multimedia libs,apps
  - N32 ABI etc.
- Status
  - Evaluating from usable to comfortable
  - Lots things to do

Our Dream

- Building up a self-controllable informational system
- Lowering down the cost of information systems
- Eliminating the digital gap!

Thank you!

Questions?

China Data Center Expert — INGEEK

Steven Shan

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Company Briefing

- Founded on 2002

- Focus on Enterprise Data Center (EDC), provide solutions on Product resell, Construction Project, IT Services and Strategic Outsourcing services.

- High Quality spirit on serving World Top 500 enterprise for years, oversea delivery capability and experience

- HQ in Shanghai, with branches in BeiJing, GuangZhou, ChengDu and HongKong.

- Over 5000 customers in China

- Major industries： Banking, Insurance, Telecom, Retail, Manufacture, Internet etc.,

- Employment over 330 in China

- Exceed 300M RMB signing in 2009

Our Company

Ingeek is industry leading IT service provider. With core team's global practice and experience, We, integrate local industry insight, continue our journey on innovation, simplification and profession, contribute to our client success.

Contribute to Client Success

Innovative Biz Model

Localization Specialty

Global Experience

- Client First culture
- Long term Customer Satisfaction Survey & execution
- Passion for public affair

- Innovative IDC business model
- Self-developed platform & SW
- Industry leading solution

- Years's local client service experience
- High-Tech & SW cerified company
- IT integration license
- Site/IB license

- Global vision core-team
- Long team partnership with IBM
- Professional company operation

Business Scope

Data Center (DC) Service

IT Integration & services

DC Strategic Outsourcing

DC Product Resell

IT infrastructure and Management – Data Center Area

Client Stage

| How to Do | Help me to Do | Do it for me |

Business

IT Infra

Consulting

Industry insight
CRM and Sales management
Enterprise Asset Management
Financial Management
Supplier Chain Management
Business Intelligent

Integration Service

Business continuity & DR service
IT security Services
Process and Monitoring services
Software integration, Middleware
Network, cabling, Server, Storage
Data Center Construction

SO serivce

SW SO

Operation SO

Capability of providing full-cycle IT services on DC

Data Center Services

Provide full life-cycle services on Data Center, consulting, design, implementation and construction and operational maintenance services, total solution provider of next generation data center (Green Data Center).

Major Clients

CCB Shanghai DC	Cocacola China DC	
BOC Shanghai DC	Honda China DC	SH Mobile IDC
BOCOM HQ Data Center	COSCO Data Center	SH Telecom IDC
CMB HQ Data Center	IBM China Data Center	GZ Mobile IDC
CBRC Data Center	3M DC	HN Telecom IDC
Foreign Exchange Data Center	MeterBower Data Center	CQ Unicom IDC
CPIC HQ Data Center	LINUX DC	
YongCheng Insurance DC	Delphi Data Center	
AnTai Insurance Data Center	MaryKay Data Center	
Shanghai Security Exchange DC	AT&S	
Galaxy Fund Data Center	GF	
GuoTai Securities DC	NIVEA	

IT integration Services

Major Clients

- BEA
- HSBC
- TNT
- CPIC
- YongCheng Insurance
- MaryKay

- Provide IT infrastructure, IT process and system management consulting, design, delivery, operation and management services

- 1、Network integration
  Network consulting service
  Network design service
  Network management service
  Network operation service
  Network implementation service

  2、System Integration
  System architecture design
  System integration of HW & SW
  System Deployment and maintenance

  3、Disaster Recovery
  DR consulting and Design
  DR implementation and drill service

  4、Enterprise IT Security service

  5、IT service management (ITIL)

IT Operational Outsourcing Services

Provide IT operational outsourcing and management services. Through self-developed IT operation platform and professional technical team, provide innovative business model to serve Government or Enterprise, achieve high availability of IT infrastructure

Major clients

- LaiYiFen
- Fiat
- OTIS
- TOSHIBA
- Greater Eastern Insurance
- Real Estate Bureau
- TNT

DC Product Resell

IBM ACS (Data Center Connectivity Solution) Core Distributor in China.

We focus on providing the best breed IT product and value services to our clients, partner with top channel companies in China, certified as top suppliers in many industry customer.

Developing new products and solutions to meet the demands from clients on higher technology of Data center area. Maintain hype-growth with partners.

Company Major Clients
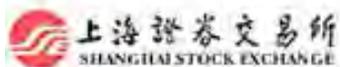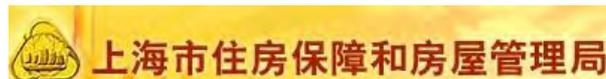
Company License and Certification

- **Software Enterprise certification**
- **High Tech Enterprise certification**
- **Design and Implementation license from Ministry of Construction**
- **System Integration license from Ministry of Information Technology**
- **ISO 27001 certification**
- **IBM、DELL、SUN core suppliers on Outsourcing services**
- **IBM Core Partnership on Data Center**
- **IT security license**
- **UN security training certification**
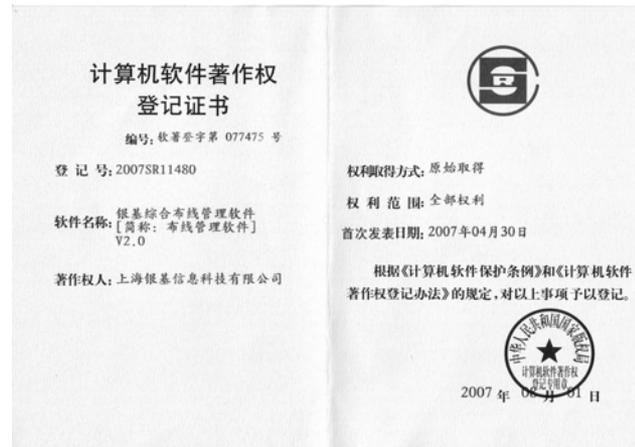
Our Mission

The Most Professional IT Services Provider of Data Center solutions in China!

Rely on global experience, combined with professional management, advanced technology and demand localization, we continue our journey on innovation of business model, provide higher price performance and contribute client success!

From Copper to Fiber

Hengtong Group

Professional Wire & Cable Company of China

Professional

Largest wire & cable company in china, founded in 1991, hold 16 sub-companies.

Optical Fiber & Cable

Jiangsu Hengtong Photoelectric Stock Co., Ltd

Shanghai Hengtong Photoelectric Technology Co., Ltd

Shenyang Hengtong Photoelectric Communication Co., Ltd

Chengdu Hengtong Photoelectric Communication Co., Ltd

Jiangsu Alpha Optical Fiber Technology Co., Ltd

Copper Cable

Wujiang Photoelectric Communication Wire & Cable Co., Ltd

Beijing Hengtong-Sibo Communication Technology Co., Ltd

Jiangsu Hengtong Power Cable Co., Ltd

Jiangsu Hengtong-Fujikura Aerial Cable System Ltd

Jiangsu Hengtong-Jintian Electronic Wire & Cable Co., Ltd

Other Fields

Suzhou Hengtong Real Estate Development Co., Ltd

Zhangjiagang Hengdong Heat & Power Co., Ltd

Zhangjiagang Yongxing Heat & Power Co., Ltd

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亨 通 产 业 规 模　INDUSTRY SCALE OF HENGTONG

构建于客户、产品、服务、渠道、地域选择性基础上的敏捷生产体系

亨通以比较竞争优势的产品、地域、客户之三维指标结构规模经济。

亨通的规模经济，是依据比较成本原则和贴近客户原则，以谋求客户价值和企业价值的双赢，合理规划生产布局，优化供应链的敏捷生产体系。

Hengtong builds economy of scale on three-dimensional indexes with comparative advantages - products, regions and customers.

Hengtong's economy of scale is an agile production system based on the principle of comparative costs and the close-to-customer principle for creating the win-win of customer values and corporate values, reasonably planning the production layout and optimizing the supply chain.

Hengtong Group
China Top 50 Telecom. Enterprise
China Top 100 Electron. & Inform. Enterprise

Hengtong Group Products

Optical Fiber & Cable

Optical Fiber G.652, G.652C, G.652D, G.657A…

Optical Cable Layer Cable, Central Tube Cable,

Ribbon Cable, Indoor Cable, Drop Cable

Copper Cable

Communication Cable, Data Cable, Railway Signal Cable,

Auto Wire Harness, OPGW, Coaxial Cable, Power Cable

. . . . . .
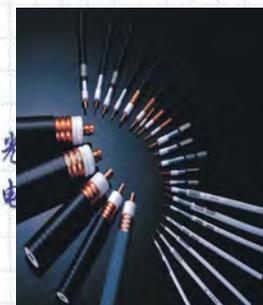
Hengtong Group Marketing

Brand+Efficiency+Network

China Domestic Marketing

China Telecom   CNC China Mobile Unicom China Power Co., China Tietong China National Defence

Oversea Marketing

Hengtong Products were Exported to More Than 30 Countries in Southeast Asia, Middle East, Europe, America and Africa

Hengtong Group R & D

---Explore Advanced Equipments & Process and Wire & Cable Products

Own 108 China Patent Related with Wire & Cable Products and Process
Undertook 130 China National R&D Projects, Provincial Projects
Hengtong Group National Postdoctoral Workstation
China National Technology Center For Wire & Cable Field

R&D Consulting Committee   Scientists From China Science Academy,
                                          China Engineering Academy
                                          Well-known China Universities

Hengtong Group R & D

---Explore Advanced Equipments & Process, New Products For Fiber

Preform Equipment & Process R&D: VAD   RIC
New Optical Fibers R&D: Fibers for Telecom., Device and Special Applications
Optical Preform Capacity: 300Ton/year

Leading Advantages

---Member of ITU-T Study Group of Telecommunication standardization Sector
---Chinese Standard Composer
---G.652D proved E-PON
---G.657
---Shenzhou No.5 & No.6 Spaceship Launching

Hengtong Group Management

-----Guarantee the High Quality of Its Products & Services

Standard Management

    ---ERP System 5S Management

Standard Process & Quality

    --- ISO9001 ISO9002 Quality Management

     ISO14001 Environment Management System

     OHSAS Professional Health Management System

     3C Certification

     Advance Test Equipments

     Member of ITU-T, China Standard Committee

Standard Service

    ---Let Everyone of Hengtong Group Face the Market

Thanks

Welcome to Hengtong Group, China!

Financial Report INT12K11

ID		RMB	US$
1	workshop I	27,800	4,400.74
2	site visit 1-1	25,600	4,052.48
3	site visit 1-2	24,200	3,830.86
4	workshop II	29,800	4,708.40
5	site visit II-1	26,160	4,057.42
6	site visit II-2	27,600	4,380.12
	Total	161,160	25,430.02

Financial Report for INT12k11 Workshop I
April 12, 2012, Shanghai, China

venue: Kaibo Jiahao Hotel

Participant Number:	**35**
1 RMB=:	**0.1583**

Workshop Cost

Item	Description	RMB	USD	
Workshop place & Equipment		4,000	633.20	
Background Picture		800	126.64	
Training Materials		2,000	316.60	
Lecturer	3 person	18,000	2,849.40	
Facilities	photograph, banner, etc.	3,000	474.90	
		27,800	**4,400.74**	

Financial Report for INT12k11 Workshop II

September 2, 2012 Shanghai, China

venue: Howard Johnson Hotel

Participant Number:	**36**
1 RMB=:	**0.1580**

Workshop Cost

Item	Description	RMB	USD	
Workshop place & Equipment		6,000	948.00	
Background Picture		800	126.40	
Training Materials		2,000	316.00	
Lecturer	3 person	18,000	2,844.00	
Facilities	photograph, banner, etc.	3,000	474.00	
		29,800	**4,708.40**	

INT12k11 Financial Report for Site Visit I-1

2 May, 2012

Participant Number: **35**

1 RMB=:(US$) **0.1583**

Item	Description	RMB	USD	
Transportation	Bus rent	6,000	949.80	
Accomodation	in Changsu	19,600	3,102.68	
		25,600	**4,052.48**	

INT12k11 Financial Report for Site Visit I-2

16 May, 2012

Participant Number: **35**

1 RMB=:(US$) **0.1583**

Item	Description	RMB	USD	
Transportation	Bus rent	6,000	949.80	
Accomodation	in Wujiang	18,200	2,881.06	
		24,200	**3,830.86**	

INT12k11 Financial Report for Site Visit II-1

September 4, 2012

Participant Number: **35**

1 RMB=:(US$) **0.1551**

Item	Description	RMB	USD	
Transportation	Bus rent	6,000	930.60	
Accomodation	in Hongzhou	20,160	3,126.82	
		26,160	**4,057.42**	

INT12k11 Financial Report for Site Visit II-2

September 6, 2012

Participant Number: **36**

1 RMB=:(US$) **0.1587**

Item	Description	RMB	USD	Remark
Transportation	Bus Rent	2,400	380.88	Cost by Train not Included
Accomodation	in Beijing	25,200	3,999.24	
		27,600	**4,380.12**	

Perez-Guerrero Trust Fund

Financial Report of PGTF INT12K11

ID		RMB	US$
1	workshop I	27,800	4,400.74
2	site visit 1-1	25,600	4,052.48
3	site visit 1-2	24,200	3,830.86
4	workshop II	29,800	4,708.40
5	site visit II-1	26,160	4,057.42
6	site visit II-2	27,600	4,380.12
	Total	161,160	25,430.02