

Presented by
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NEW WAYS TO EMPOWER INDONESIA WITH INTERNET & ICTs CONFERENCE AUG 26, 2003

- Simputer The Motivation and Beginnings
- Encore Technologies –
 Commercialization Role
- Simputer as a Platform
- Early Examples
- Initiatives on the roadmap



The Bangalore Declaration on IT, 1999

- "Facilitate the availability of a range of computers, including cable-TV, modified telephone instruments, and rugged, low-cost, hand-held devices, along with traditional computers, for purposes such as information gathering, communication and transaction processing"
- "Avoid blind transplants of I.T. solutions, proven in other infrastructural and cultural contexts, and instead, nurture local expertise that can adapt I.T. solutions to meet local requirements."
- "Devise measures to create thriving markets for local language content and applications"



IT for Bridging the Digital Divide – Simputer Design Considerations

- Simple, easy to use, low-cost
- Independent of mains power
- Rugged, dust-resistant
- Shareable
- Meaningful, must make an impact on daily life
 - Education
 - Earning a living
 - Communication
 - Entertainment
- Innovative use of hardware and software to develop *uniquely* local solutions for uniquely local needs

Simputer at a Glance

- Handheld device, designed to be shared
 - Smart card facilitates personalization and security
- Simple to use
 - Icons, Graphics, multi-lingual text
 - Voice Feedback in Local Languages
- 2x AA batteries (rechargeable)
 - commonly available anywhere
- Rich in interfaces
 - Built-in modem
 - Smart Card
 - Infra-red Data Access
 - USB port
 - Audio

- Images and sound primary output
- Touch is the primary input
- Multilingual text output and input possible for literate users
- Not restricted only to the English educated and elite



Encore Simputer



Nov 2001 Lab Prototype



2002-2003

Field Prototype with Base Unit and Expansion Cradle

"Innovation of the Year 2001" – New York Times.

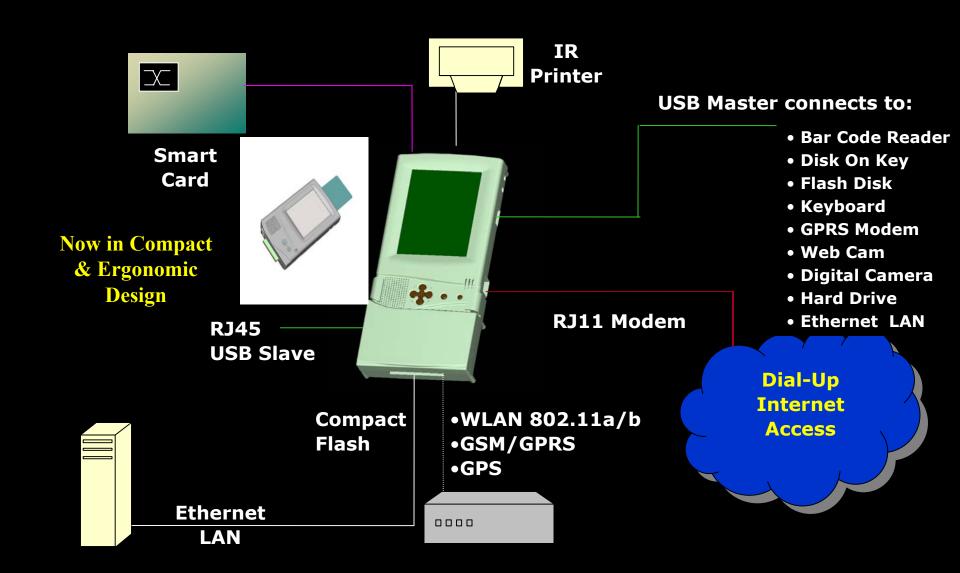
Applauded and featured in BBC, CNN, Time Magazine, Fortune Magazine, National Geographic, Asia Inc Magazine and numerous other forums and publications



Sept 2003 – Mass Production Version Now Market Ready



Most Versatile Hand-held Computer in the market today





Encore Technologies (S) Pte. Ltd.

- Established in Feb 2002 as a Joint Venture between Singapore based Time2Talk Pte Ltd and ESL
- Building a global community to deliver value in core sectors of economies and leveraging strengths of all members of the community
- Focused on Industry Vertical Applications for Mobile Users in Enterprise & Institutional Markets

Vision – Be a leader in Application-specific Mobile Computing in the industries we serve





Our main constituents & roles

 Intellectual Property rich Indian R&D house chooses Singapore as "commercialization hub"



- Encore Technologies (S) responsibilities
 - Marketing road map and partner relationships
 - Commercial Manufacturing
 - R&D plans, product collaboration plans



- Encore Software responsibilities
 - IP Support for Commercialization
 - R&D Execution



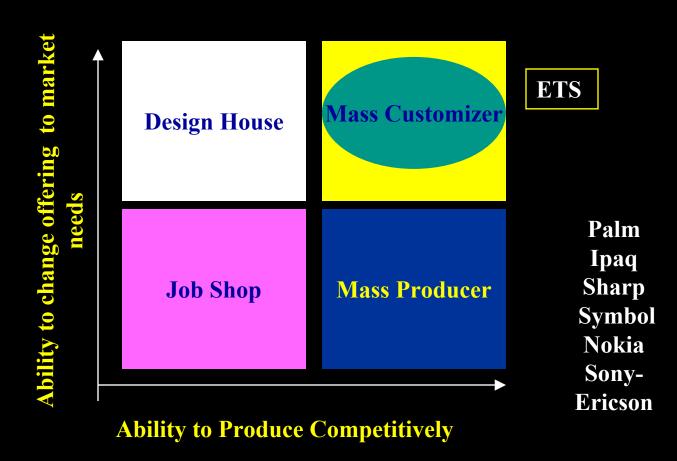
Simputer – Commercialization Considerations

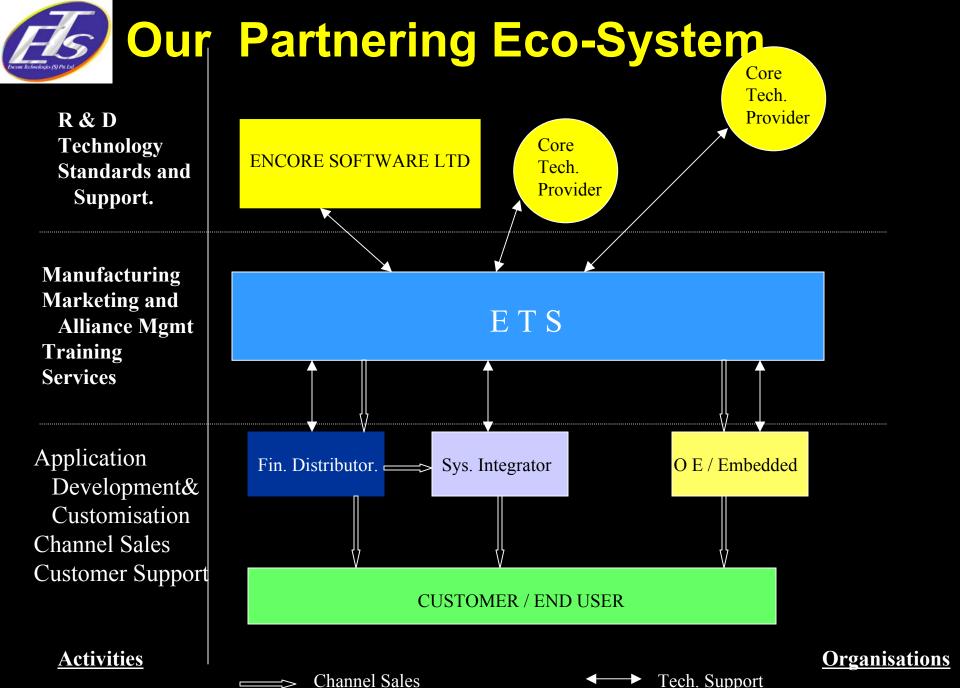
- Identify & satisfy unique requirements for computing faced by Governments and Enterprises
- One size does not fit all
- Different application needs have different design considerations
- Our unique value proposition is to provide a tailor-made solution
- With a sound technology base, we can offer Simputers in many form factors, many price points

Finding our niche in the Mobile / Embedded Computing space



Typical Embedded Solution Developers





Building a community around the Simputer

- Partnering with software developers to build tailor made solutions for many verticals
- Modifying hardware for different needs – design partnerships
- Supporting wide variety of peripherals – value adding to other products

- Cross leveraging opportunities for partners
- Fostering partner collaboration through communication & joint initiatives
- Built a partner solution portal www.simputerland.com to showcase solutions and bring partners together



New Business Approach

Simputer Product Development

> Solution Partnerships

Channel Partnerships



ODM "Customized"
Platform
Development
Contracts

Partner Developed Market Strategy

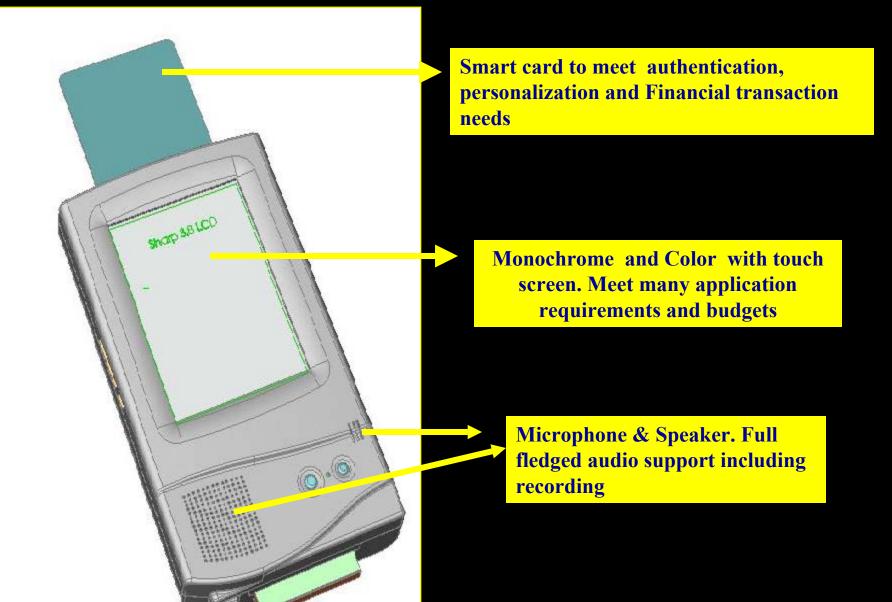


Simputer Product Development Roadmap

- Handheld Solutions
 - Multiple Screen Sizes
 - Multiple Interface Options
 - Multiple Wireless Connectivity Options
- Embedded Solutions
 - Industrial Device Controller
 - Internet Camera Blackbox
 - Wireless Terminal
 - Linux Thin Client Terminal

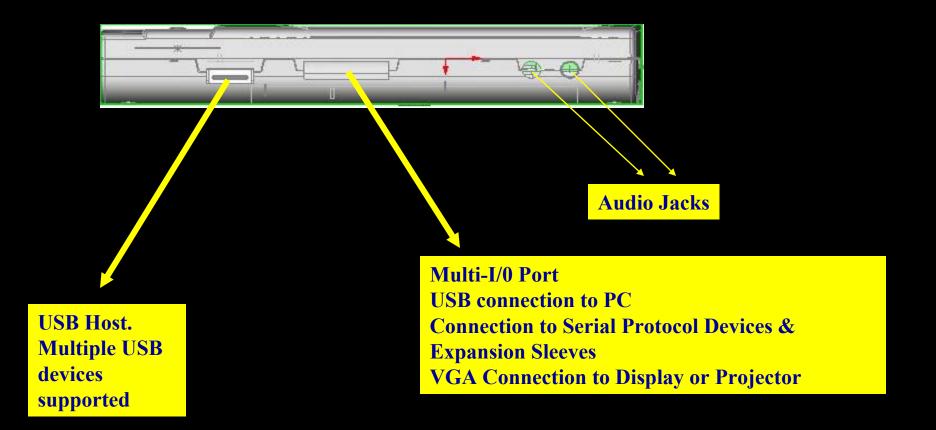


Simputer – Meeting many unique requirements with unique solutions





Interface Options to meet any requirement



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Cost Effective Energy Solution



4- 6 hrs battery life on 2 AA NiMH rechargeable cells Solar Powered Battery chargers available for NiMH batteries

Focces technologies (S) Pre Ltd

Multiple Options for Wireless Connectivity







Add-on Wireless LAN and GSM/GPRS/CDMA Modules in CF Form Factor

Built-in Wireless Modules in select models

Connectivity solutions to interface Internet connectivity capability available in mobile phones



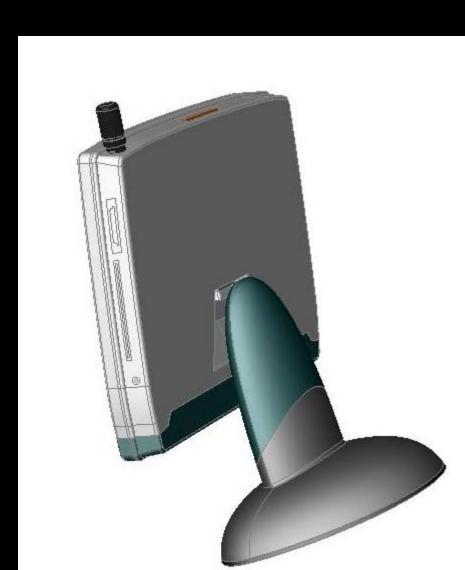
Multiple form factors to meet different needs



Tablet Version to meet requirements in eLearning, Healthcare, Hospitality, Logistics

8" Screen. Portable Device + Docking Station.

Target to launch – Q1 2004



Solutions Ergonomic



Multiple Wireless Options

Wireless LAN

GPRS/GSM/CDMA

GPS

Slim & Lightweight - < 1Kg

More than 10 hrs battery life

Rugged

Standard Interfaces – keyboard, mouse, Ethernet network, Dial –up modem in Docking station.

Full functionality of Notebook computer MINUS COST MINUS BURDEN

Simputer Embedded Device Controller



Remote Monitoring Solution for US MNC No LCD Screen. Integrated Web Server and FTP Server Secure Remote Log-in "Minimal" Server – Small Foot print, Low Cost

Can be Embedded in any Microprocessor Controlled Equipment for "Device Networking"



Current Initiatives

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Pioneer Implementations in process

- Government Land Records Updation & Crop Data Collection, India
- Utility Meter Reading & Billing, India, Mauritius
- Field Statistical Surveys, Malaysia
- Loyalty Card Programs, Saudi Arabia & India
- Community Health Care, India & Africa
- Logistics Solutions Japan, Singapore, India
- Traffic Police, Offense Management
- Health Care Solutions, Singapore
- Asset Tracking & Management, Malaysia
- Online Learning, Singapore, India, US
- Remote Maintenance, USA, Japan



WWW.SIMPUTERLAND.COM

Enter a future of endless possibilities