# **ONSPEED - Bridging The Malaysian 'Digital Divide'**







# Value-Adding The Power of the Internet



www.teamworkasia.com / www.OnSpeedAsia.com



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- Introduction / Overview 'The Digital Divide'
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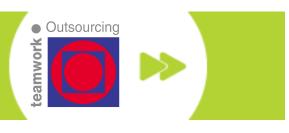




- Inclusion of ONSPEED enhances Operator / ISP's competitive market place differentiation
- Provision of a leading-edge technology product such as ONSPEED adds value to Operator / ISP's Brand and Market Image
- Improved Internet Access Speeds for Malaysian citizens (particularly in rural / outreach areas) accelerates the attainment of the Knowledge Society and Bridges the Digital Divide
- Use of ONSPEED as the means to create a ,Dial-up Gold` (added value product will enable access to significant new ARPU.







Operator / ISP is focused on quality products and offering competitive prices for internet access → OnSpeed = 70% Broadband @ 18% Cost reinforces a new Operator / ISP Value **Proposition for Dial-up** 

Malaysia has a significant (3.7 million subscribers) Dial-up user base

ONSPEED opens up and adds value to an existing large-scale market and immediately generates new revenue

Operator / ISP customers can use ONSPEED to increase their Dial-up download speeds by a factor of ten and Operator / ISP thus increases customer satisfaction and loyalty

→ ONSPEED enhances the value proposition of both Dial-up and Broadband

Operator / ISP can increase Dial-up acquisitions offering customers a new tool that they'll like → ONSPEED can be the power behind trade-up (Tiered Service) options – e.g. Operator / ISP 'Dial-up Gold' & 'Broadband Enhanced'

Operator / ISP can also market the added value as 'Addressing the Digital Divide' and Government's 10% Target - and also - enabling high-speed internet access in areas yet to receive Streamyx → ONSPEED can provide unique added value and market differentiation and political point scoring







Providing users with the experience of *rapid* web site, content and JPEG picture access

→ Makes users both hungry for, and capable of, accessing richer multimedia content (ONSPEED Accelerated Dial-up users tend to stay on line *longer*, and this is <u>directly correlated</u>)

Raising customer satisfaction and promoting customer loyalty

→ Retains Operator / ISP Dial-up users until they are ready for Broadband (Churn Reduction)

Creating new revenue streams and value propositions

→ Increases Operator / ISP access revenues

Offering an ONSPEED service to the wider market of competitor ISP users -

→ Addresses locations where DSL not available and negates HSDPA based Broadband

Enabling access to more web sites in less time

→ Generates more traffic on Operator / ISP Portals for which Operator / ISP can charge usage fees

Reduces, defrays, re-schedules the capital costs of new Operator / ISP infrastructure deployment







- Total Market' Differentiation is available for Operator / ISP
- Scope to Redefine Operator / ISP Dial-up and Broadband 'Value Propositions'
- Immediate opportunity for significant <u>new revenue generation</u> as well as enhanced market positioning
- ONSPEED will enhance Uptake, Usage, Customer Retention, Loyalty, Customer Lifetime Value and reduce Churn – for BOTH Operator / ISP Dialup and Broadband – facilitating a logical migration path - and a better value proposition for all users.
- Opportunity to exceed Government expectations of national Broadband (high-speed internet) penetration targets.
- Opportunity to re-appraise High-speed Infrastructure roll-out timings and capital costs







# What are the advantages to Operator / ISP when partnering with Teamwork / ONSPEED?

- Multi-awarded product with a fantastic brand Operator / ISP partner with the best
- Expertise in ONSPEED product positioning, marketing and advertising Operator / ISP jump the learning curve
- Zero time to market up and running with Operator / ISP campaigns within days
- Fully optimised and scalable service actively in use every day by nearly one million existing global users – (including adoption by BT and others)
- Complete support and escalation processes in place
- 100% guaranteed uptime
- Only limited Operator / ISP resources required instead of entire teams of technical and marketing staff. Our experts work with and for Operator / ISP doing all that's needed
- Unique New Revenue generation and higher ARPU possibilities
- Market positioning and differentiation and addresses the political and logistics issues of 'Digital Divide'
- No risk



# "The Great Digital Divide Debate"





#### The argument currently pitched considers several issues:

- Slow uptake of 3G and Broadband
- Vast Majority of Internet users still on very slow Dial-up
- Rolling out infrastructure that fits everyone's needs
- Once Content is available everyone will be happy'
- Existing Dial-up Internet users get very little 'real knowledge' benefit because of very slow speed

#### Teamwork contends that:

# There is more than sufficient 'Content' and partial infrastructure is already available – BUT Uptake is impacted by:

- 1. Speed of access to and subsequent download speeds of the 'Content'
- 2. Lack of Optimisation of the Existing infrastructure
- 3. Format (usability) of the 'Content'
- 4. Appropriate pricing (affordability) of the User 'Value Proposition'

#### **ONSPEED** addresses all these issues......

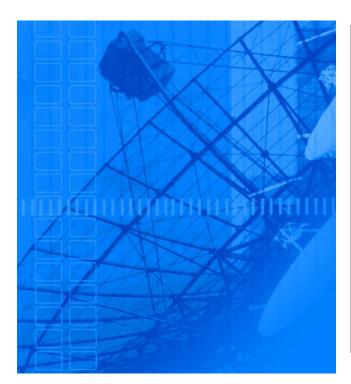


# MCMC Household Internet Survey - 2005









#### Table 11

Distribution of household users of the Internet by reason for not wanting to migrate to Broadband

#### Percent

Cost too high 14.1

No broadband coverage 6.2

Not aware of

Broadband 23.0

#### Profiling the user

From the findings of the survey the average Internet users in private households in Malaysia may be profiled as follows:

The average Malaysian Internet user who logs on at home is young and just as likely to be male or female. He is likely single and has at least some secondary schooling and maybe even a diploma under his belt. He typically comes from a family of 5, is employed and makes anything from RM1,000 to RM3,000 per month.

On his own account, he logs on to the Internet mainly via dialup which he shares with at least another family member.

He spends on average up to 9 hours per week on the Internet at home, usually at night.

His main reason for going on the net is to check for e-mails although he does engage in some educational and research work as well as finding information about goods and services. If at all he purchased anything online, it would be air tickets and an occasional book. He is not a big spender and spends less than RM500.00 most of the time.

He is generally concerned about security on the Internet.



Of Interest: All current Education Sector projects are focusing on the <u>schools</u> – **NOT** the internet experience (or lack of) when teachers and students return **home**.



## What is **ONSPEED**?





- User Client-based software that resides in the user's computer
- A Dedicated Global Server configuration
- A set of Patented Compression Algorithms including.....Algorithms that can compress jpeg, bmp, png, gif, tiff, flash, MS Word, PowerPoint, Excel, text for browsing and email
- Re-Rendering Software
- Internet Performance Improvement Techniques

That Combine to Accelerate the User Internet Experience



# The Impact of **ONSPEED**





It is impossible to alter the size of the <u>existing</u> internet connection 'pipe'. **ONSPEED** however can <u>greatly compress</u> what is passed through the <u>same pipe</u>.

ONSPEED employs compression servers and algorithms that reduce the size (and thus improve the speed) of internet file downloads by between FIVE to TEN times for Dial-up\*, THREE to FIVE times for Broadband.

#### The net effect:

**Less Data** → **More Speed** → **Better customer experience** 

"Broadband speeds on a 56k modem may seem like fantasy, but amazingly it does work."

Graham Barlow, Chief Editor - Internet Advisor magazine

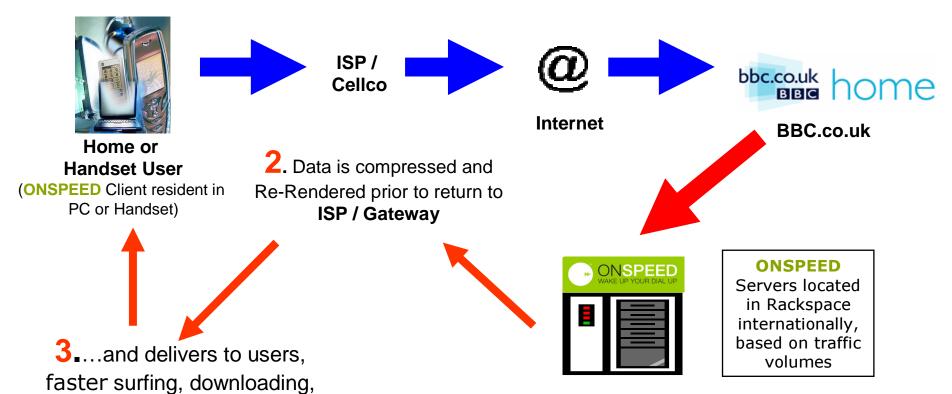
\*Many recent local tests have achieved speed / throughput increase on a 40kbps link to over 1Mbps

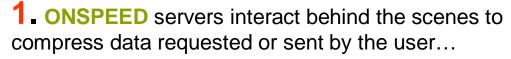


## The Technical Basis for **ONSPEED**







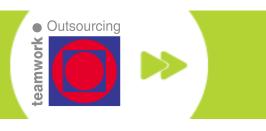




browsing and email.

### **ONSPEED** Technical Overview





**ONSPEED** works with **PC, Pocket PC and Apple Macintosh** (OX10.2+) in conjunction with **all major browsers** (MS Internet Explorer, Mozilla Firefox, AOL Netscape, Apple Safari, Opera, MYIE etc.).

# Enhances the web performance of most connection methods:

- 56k modem
- ISDN
- 1Mb Broadband
- GSM
- GPRS
- UMTS

## **Future releases will support:**

- **•** MP3
- MPEG4
- Streaming media
- Symbian OS 7 and above

**ONSPEED** is a **client resident** software product –

NO need for any changes to Operator / ISP Network



## **ONSPEED** Support





- The ONSPEED team currently comprises 70+ staff, including:
  - Technical team of 20 staff supporting clients 24/7
    Multi-lingual team of 30 in Customer Support
    Team of 10 exclusively on PR, Marketing and Branding
- ONSPEED originally launched in the UK in January 2004 *Appointed Teamwork* as the EXCLUSIVE Distributor for the Asia-Pacific region in January this year.
- More than 800,000 satisfied customers internationally, now adding an average of 3,000 new customers each day

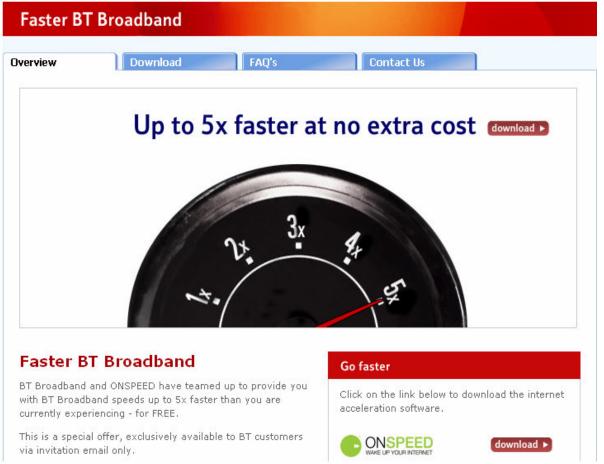
Now successfully deploying Preferred Partner Programmes with European Operators and ISPs such as BT, Wannadoo, 1-2-Free, etc.



## British Telecom & ONSPEED









British Telecom have partnered using **ONSPEED** to provide internet acceleration available to selected Dial-up and Broadband subscribers – as a market differentiator



## **ONSPEED** & British Telecom Partnership





London, UK – 16 February 2005 – ONSPEED, the brand leader in internet acceleration and BT, one of the UK's leading internet service providers, today announced a partnership providing ONSPEED's powerful internet acceleration software to BT Yahoo! Internet's extensive Pay-as-You-Go customer base.

The partnership will see BT offering ONSPEED as a value-added product to increase retention and customer satisfaction and supports BT's acquisition objectives. Pay-as-You-Go customers will pay £24.99 for the ONSPEED service. BT and ONSPEED have expanded their partnership to provide BT Yahoo!'s Anytime customer base with a free 12-month subscription to ONSPEED.

"The partnership between ONSPEED and BT will give BT Yahoo Internet customers unrivalled Dial-up speeds and allow BT to set its product apart from the competition", says Jamie True, co-founder of ONSPEED.

"We are always listening to our customers and we know that one of their sources of frustration is the speed of their narrowband connection," said Duncan Ingram, Managing Director Broadband and Internet Services BT. "That's why we teamed up with ONSPEED. The new download speeds will improve the internet experience for our Dial-up customers.

We want to ensure that our customers aren't held back because of their narrowband connections and don't miss out on all that the web has to offer. 9 9



## **ONSPEED** & IFA Telecom Partnership





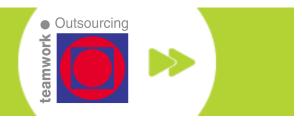






## **ONSPEED** Characteristics





ONSPEED will transform (by accelerating FIVE to TEN times)

any 56kbps Dial-up usage to 'near Broadband or better'
speeds. ONSPEED also accelerates Broadband connections
by a factor of three to five times.

**ONSPEED** is easy to install and intuitive for customers' usage:

- No fuss. No wires. No engineers. No changes to settings.
- ONSPEED works with Dial-up, Broadband and 3G Wireless Data Card connections and has 100% global coverage. This makes it the perfect service when travelling.
- NO Requirement for any Infrastructural Changes to Operator / ISP's Existing Network!!!

RM 180 at Full RRP for an End-User Annual Licence, (equates to around RM 50 sen per day. That is approximately a fifth of the typical cost of entry-level Broadband today!



## **ONSPEED** Installation





#### **How do users install ONSPEED?**

- Insert an ONSPEED CD or download the 1MB ONSPEED file online.
- Open the ONSPEED Install Wizard, register and the file auto loads.
- When installation is almost complete, a window automatically pops up asking the user to insert a username and password chosen in the check box
- GO! ONSPEED is now installed and ready to start working.

## Installing ONSPEED can be performed simply in less than 3 minutes

Operator / ISP users can be accommodated by prior registration of Operator / ISP PINs and downloading the ONSPEED file online.



# **ONSPEED** Availability



ONSPEED can be downloaded directly from

www.OnSpeedAsia.com

Or made available to the user by Operator / ISP subject to issuing unique PINs and Serial Numbers







#### Free Trials of ONSPEED

can be downloaded directly from

www.OnSpeedAsia.com

Or directly from:

http://www.onspeedasia.com/en/trial/ONS

Fully flexible
revenue sharing
arrangements are
available on EITHER
annual licence
purchases OR
'active user per
month' bases



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## Dial-up with **ONSPEED** – Illustrative Test Results

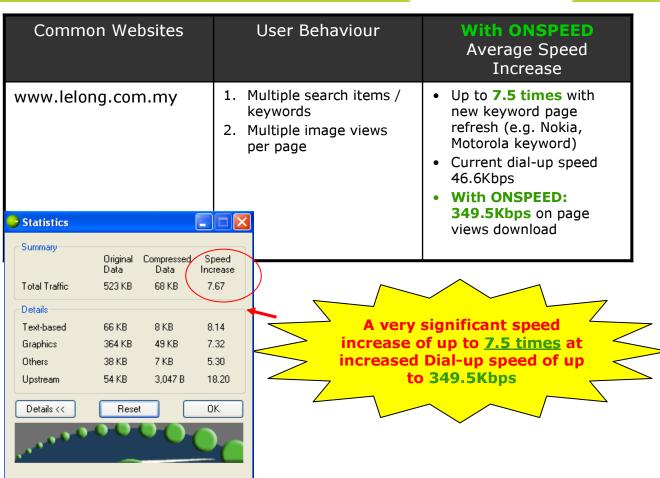






ONSPEED at Optimum
Dial-Up Setting





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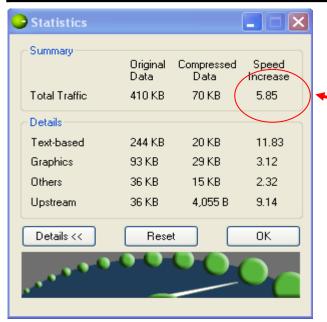
# Dial-up with **ONSPEED** – Illustrative Test Results







Common Websites	User Behaviour	With ONSPEED Average Speed Increase
www.ebay.com	<ol> <li>Multiple search items / keywords</li> <li>Multiple image views per page</li> </ol>	<ul> <li>Up to 5.8 times speed increase</li> <li>Accelerated keyword search on new items</li> </ul>







## Illustrative **ONSPEED** Accelerated Broadband





- A 45MB download from <u>www.download.com</u> using 1Mb Streamyx with <u>ONSPEED</u> accomplished in <u>8.5</u> minutes.
- Same download using native 1Mb Streamyx (without ONSPEED) accomplished in 24.5 minutes

ONSPEED's level of acceleration can enable users to significantly enhance Dial-up Internet facilities in areas where Streamyx is not available or cannot be afforded. Streamyx itself can also be significantly enhanced.

A key focus area is in positioning **ONSPEED** acceleration as the most logical means to enhance the value of Dial-up Internet **within schools and outreach areas** – addressing MCMC MyICMS886, Smart Schools 'Digital Divide' issues <u>and</u> enabling Government high-speed internet penetration targets **prior to** 2008.



## **ONSPEED** and 3G Wireless Data Cards





- In recent tests with 3G Wireless Data Cards (rated at 384kbps), ONSPEED has achieved a maximum throughput acceleration equivalence of 5.2 Mbps !!!
- The median acceleration expected is 2.7 Mbps !!!



## Opportunities for 3G Data Cards - Enabled By ONSPEED





- Use of ONSPEED with 3G Wireless Data Cards allows users significantly FASTER Data transmission, creating a new value proposition for operators, market differentiation and rapid new volume data business uptake and development.
- No Network hosting issues ensures rapid speed to market a significant 'quick win'.
- ONSPEED will establish <u>fully differentiated</u> and <u>faster</u> GPRS and 3G – finally boosting market interest & uptake in 2.5 / 3G, enhanced market share and a direct association with innovation



## Short Technical Overview





- ONSPEED employs 9 approved technology patents
- Employs new technology known as 'Content Sensitive Compression'
  - Optimises the compression technique for different data contents and types
  - Algorithms decipher nature of the data and then decompose it into respective constituent elements
  - Employs over 30 different compression algorithms, which compress specific data types with the best matching compression to achieve optimised results
  - Digitized data is compressed with a particular set of algorithms,
     while textual data is compressed using a different set.



# **Approved Patents**







US Patent Number	Title	Date approved
6,567,781	Method and apparatus for compressing audio data using a dynamical system having a multi-state dynamical rule set and associated transform basis function	20 May, 2003
6,456,744	Method and apparatus for video compression using sequential frame cellular automata transforms	24 September, 2002
6,449,658	Method and apparatus for accelerating data through communication networks	10 September, 2002
6,400,766	Method and apparatus for digital video compression using three-dimensional cellular automata transforms	4 June, 2002
6,393,154	Method and apparatus for digital image compression using a dynamical system	21 May, 2002
6,363,350	Method and apparatus for digital audio generation and coding using a dynamical system	26 March, 2002
6,330,283	Method and apparatus for video compression using multi-state dynamical predictive systems	11 December, 2001
5,677,956	Method and apparatus for data encryption/decryption using cellular automata transform	14 October, 1997
6,556,961	Method and apparatus for process modeling using a dynamical system	29 April, 2003



# File Specific Compression





File-specific compression Operator / ISP users can expect to receive from ONSPEED:

- HTML and Text files: Compress at 10+ times
- **SMTP**: Compress at **9** times
- POP3 / IMAP: Compress at 5 times
- **GIF and JPEG**: Compression level depends on user preferences, e.g. on the selection of image quality requested; standard settings compress at **4** times

  Note: Customers have the ability to view / re-resolve original images by right-clicking on the image.
- Zip, MP3 and MPEG4: No compression currently available, but subject to a future release

Note: The compression rates above are averages and actual file specific compression depends on a number of factors, including the customer's internet access and system set-up.



# **ONSPEED** Functions – Settings & Statistics

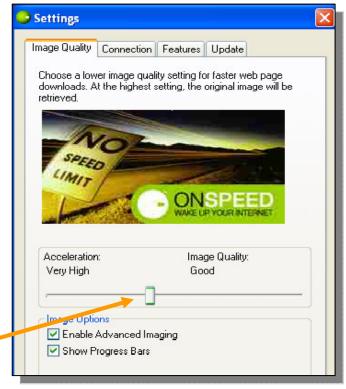


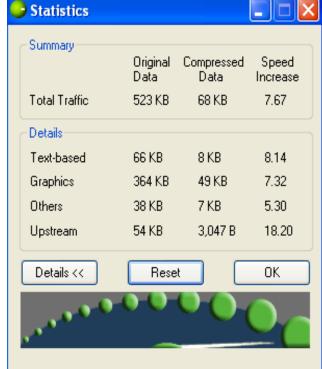




#### **Settings**

Users can specify download image quality Settings and thus **control** the compression extent and download speed





#### **Statistics**

#### **ONSPEED**

Performance Statistics are always dynamically available



# **ONSPEED** Compressed Image Enhancement







Where users select **Extremely High Acceleration**, and subsequently wish to restore Original Image Quality, the resolution is simple and virtually instantaneous – for a <a href="single">single</a> image **or** all images on a web-page

#### **Compressed Image for Browsing**



#### **Right Click** for Original Image





## **ONSPEED** Functions







## **Key ONSPEED Functionalities:**

- Software is intuitive (non-invasive) when used.
- Clicking on a Simple icon on toolbar enables a popup menu.
- Performance Monitors acceleration performance and measures the time saved using ONSPEED
- Settings ONSPEED can be suspended at any time (turned On/Off) and image quality / download speeds can be increased/decreased to suit
- Pop-Up blocker Free add-in to prevent unwanted flash adverts.



<u>Most Importantly – ONSPEED Works – and does NOT de-stabilise the user platform</u>



# Why Customers Buy **ONSPEED**?





**ONSPEED** is the effective **alternative** for people who need a <u>faster internet</u> <u>experience</u> when they:

- Don't use internet enough to justify the cost or simply cannot afford Broadband (Dial-up Enhancement to 'near Broadband or better')
- Can't get Broadband (Added Value upgrade for Dial-up users)
- Find their Dial-up or Broadband slow
- Need a cost-effective solution when travelling or when using with a mobile device or cellular phone

ONSPEED gives Dial-up users 70% of the benefit of Broadband at approximately 18% of the cost

As at today over 800,000 customers have purchased ONSPEED internationally. Current uptake exceeds 3,000 users per day!!

Existing Malaysian Corporate Licence use of ONSPEED via Company VPN is achieving approx. FOUR times improved speed / throughput



# Why Customers Buy **ONSPEED**? - Support





- Live person "Chat" support from Pop-up menu
- Multi-lingual Help Desk
- Email support within 2 hours
- ONSPEED servers are professionally hosted and optimised on an ongoing basis
- The service is fully scalable and increments of 100,000 user capacity are available at 2 hours notice
- 100% uptime, 24x7

Total Malaysian registrations coverage could be achieved in 24 hours



## Why Customers Buy ONSPEED? - Independent Reviews





ONSPEED is clearly the global market and brand leading internet acceleration product – that has won numerous awards and accolades from many of the leading UK and European– and more recently Malaysian and Asia Pacific regional computer and internet media titles:

"Once you've used ONSPEED you won't want to surf the net without it."

Laptop Magazine

"Broadband speeds on a 56k modem may seem like fantasy, but amazingly it [ONSPEED] does work."

"Performance 5/5, Ease of use 5/5, Value 5/5, Rating 5/5" Graham Barlow, Chief Editor - Internet Advisor Magazine

"We think ONSPEED is an excellent investment."

Computer Active



## Why Customers Buy ONSPEED? - Independent Reviews





"Speed up your modem internet connection to Broadband speeds. We're serious! An amazing piece of software"

**PC Answers Magazine** 

"When so many programs claim to speed up your net connection it's refreshing to find one that actually does it"."

.Net Magazine - 5 Stars

"What impresses us the most about ONSPEED is the high level of its compression technology."

**PC Advisor Magazine** 

A full list of Asia Region Reviews and Awards are available at:

http://www.onspeedasia.com/en/reviews/reviews\_asia.html and http://teamworkasia.com/media%20release.html



## Chinese Media Reaction: ONSPEED Makes Your Computer Run Like A Rocket!!











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### Asia Regional Media Reviews & Mentions







- 23 March 2006: The Edge Daily
- 24 March 2006: Bernama.com (Malaysian National News Agency)
- 10 April 2006: Oriental Daily ONSPEED TO BRIDGE DIGITAL DIVIDE
- 12 April 2006: Berita Komputer ONSPEED INCREASES THE SPEED OF DIAL-UP
- 16th 30th April 2006 Issue: Malaysian Business (Page 1)
- 16th 30th April 2006 Issue: Malaysian Business (Page 2)
- April 2006 Issue: Hardware Magazine ONSPEED TO BE AVAILABLE IN ASIA PACIFIC
- April 2006 Issue: CHIP Boosting Connections
- April 2006 Issue: STUFF I Want SPEED!
- April 2006 Issue: MaxIT SPEEDIER WEB SURFING EVEN WITHOUT BROADBAND!
- April 2006: BlueHyppo.com Race Ahead with ONSPEED, Say Goodbye to Snail Pace Surfing
- 1 May 2006: e-Sense Review ONSPEED SPEEDS YOUR INTERNET CONNECTION LIKE A ROCKET!
- 8 May 2006: Computimes **ONSPEED FOR FASTER DOWNLOADS**
- 10 May 2006: M-MPC News ONSPEED AND TEAMWORK AWARD LICENCE TO MSCMS
- May 2006: Majalah PC ONSPEED dan Teamwork Beri Lesen kepada MSCMS
- May 2006: Klue **Onspeed provides a noticeable boost in connection speed.**
- May 2006: HWM World Acclaimed Software is Here!!
- May 2006: PC Pro Benefit from more efficient surfing
- 1 June 2006: PC.Com Recommended Award
- 1 June 2006: Stuff Onspeed's net supercharging wizardry is now available for Java Mobiles
- June 2006: Cleo Magazine Cool Gadget!
- August: Utusan Megabait Full Page review
- September: SURF! Magazine Broadband Throughput over Dial-up with ONSPEED

Commencing in June, ONSPEED has been the subject of a series of TV programmes screened in Malaysia, Singapore and Brunei



### Why Customers Buy **ONSPEED**? - Awards



































# **ONSPEED**: Extensively Favourably Reviewed







































#### Sample International Reviews Are Included online at:

http://www.onspeedasia.com/en/reviews/reviews.html



# The Key Benefits of **ONSPEED**





- Provides Dial-up Internet users with the experience of <u>rapid</u> web-site, content and JPEG picture access – accessing and surfing <u>more</u> web sites - <u>in less time</u>
- Raises customer satisfaction delivers and enhances the Internet Experience enhances Knowledge truly exploits the real power of the Internet as a Learning Mechanism
- Addresses the numerous locations where **Broadband is not available** or cannot be afforded (particularly out of the main centres)
- Accelerates a Socio-Economic Movement for users to join the Knowledge Society
- Also Significantly Accelerates 3G Wireless Data Card and Broadband Usage

Potentially reduces, defrays, re-schedules Operator / ISP multi-million capital costs of high-speed internet infrastructure deployment



### **ONSPEED** Beneficially Alters Internet Usage / Access Characteristics





ISP customers who did NOT use ONSPEED:		ISP customers who did use ONSPEED:	
# connections to Internet	%	# connections to Internet	9
0	22.15%	0	1.57%
1-10	53.53%	1-10	48.17%
11-20	14.91%	11-20	23.56%
21-30	5.25%	21-30	16.75%
31-40	2.23%	31-40	6.28%
41-50	0.91%	41-50	2.09%
51-60	0.42%	51-60	0.00%
61-70	0.24%	61-70	1.05%
71-80	0.06%	71-80	0.00%
81-90	0.24%	81-90	0.00%
91-100	0.00%	91-100	0.529
100+	0.06%	100+	0.00%
0	22.15%	0	1.57%
1-10	53.53%	1 18	48.17°
0-10	75.68%	0-10	49.74%
1-40	75.92%	1-40	94.76%
11-100	24.32%	11-100	50.25%
21-100	9.41%	21-100	26.69%
NOTE: Internet connections tracked	l over a 14-day period (J:	anuary 16th, 2006 - January 29th, 2006)	

onspeed Users are making More valuable use of the Internet and going to the internet more often, Acquiring More Knowledge, Transmitting More Data – And Providing more revenue for Operators.

An Overall WIN / WIN Situation



# Summary - Why is **ONSPEED** So Special?





- It works! 87% of ONSPEED customers are happy with their buy and would buy ONSPEED again (Key Customer Lifetime Value Consideration)
- Approved and registered compression <u>patents</u> using 'Cellular Automata' and Context Sensitive Compression (CSC)
- Significant speed increases
- Algorithms that can compress jpeg, bmp, png, gif, tiff, flash, MS Word, PowerPoint, Excel, text for browsing and email
- Reviewed and loved by all the top technical press editors
- Used by NASA and the US military for faster battlefield communication



# Why is **ONSPEED** So Special?





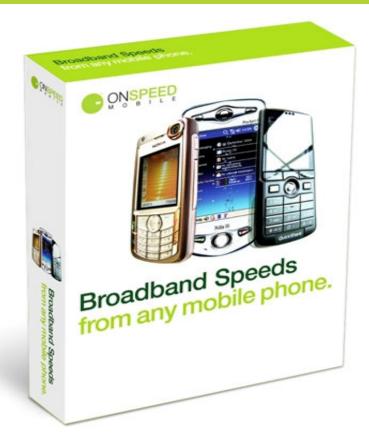
- Best Buy' awarded in numerous industry magazines
- Only RM 180 at full RRP as a one-off end-user annual licence payment presents a key user value proposition
- ONSPEED compresses at the <u>packet</u> level, thus migrates with all new technology: HSDPA, HSXPA, Wimax, etc
- Has virtually 100% global coverage and works when users travel
- Compatible with Dial-up, Broadband, 3G Wireless Data Cards and Satellite
- No fuss, seamless software that works in the background
- Has pop-up blockers and advertising banner controls
- Selected by Leading Operators and ISPs Internationally



### An Introduction to ONSPEED Mobile (Released as a Separate Product)













### \*ONSPEED Mobile

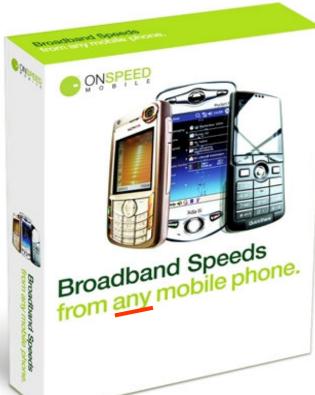


### (Released as a Separate Product)









#### **Key Features:**

- GPRS 5x Faster
- 2.5 & 3G 5x Faster
- UMTS 5x Faster
- Wi-Fi 5x Faster
- **⊕GSM** 5x Faster
- Satellite 5x Faster

ONSPEED Mobile
compresses at the
packet level, thus
migrates with new
technology: HSDPA,
HSXPA, Wimax

- Enables up to 80% improvement on <a href="handset">handset</a> download times
- Revolutionary technology with <u>small screen re-rendering</u>
- Easy to install, simple to use
- Works with any Wireless Internet connection in any country
- Works with all Java-enabled wireless handsets
- No ties, annual renewable license
- No changes to Operator's Network(s)

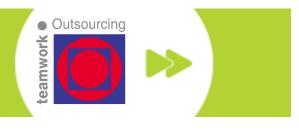
RRP: RM 180 Full RRP for an End-User Annual Licence



### **ONSPEED Mobile**







#### **Technical**

Footprint 50-100 KB Architecture: Client-server platform

#### **Client application Platforms supported:**

MIDP 1.0 and 2.0 Symbian, Linux, BREW, P2K, Itron, Windows Mobile

ONSPEED Mobile uses a remote server to pre-process web pages, <u>including re-rendering</u>, (using proprietary 'Small Screen Rendering") before sending to the user's mobile device.

**ONSPEED Mobile** is a Java-enabled (J2ME) (50-100Kb) Java client browser solution where compression technology is running on remotely-located ONSPEED servers, rather than on the mobile device itself.

There is no need to reconfigure or host on the cellular network.



### **ONSPEED Mobile**







- ONSPEED Mobile is a software download available in ESD format for Wi-Fi, Smart-phones and Pocket PC.
- ONSPEED Mobile accelerates <u>all</u> wireless internet connections (GPRS, 3G, UMTS, Wi-Fi, GSM and Satellite).
- With ONSPEED Mobile, a standard GPRS connection of 100Kb will be accelerated to 800Kb; web pages that normally take 25 seconds to load now take only 6 seconds.
- ONSPEED Mobile compresses web pages by up to 80%.
- ONSPEED Mobile allows users of <u>any</u> Java-enabled mobile device to access a full Web experience while surfing the Internet on their mobile device.



### Recent Cellular Demonstrations & Tests







- In parallel tests, ONSPEED Mobile on the Handset has Outperformed Malaysian market GPRS by a factor of up to <u>ELEVEN</u> times!! The <u>median</u> is between four to eight times.
- User reaction to ONSPEED Mobile speed, rerendering and top-down scrolling – is extremely positive.



### Supported Mobile Phones







#### Most of the commonly used mobile devices are able to run ONSPEED Mobile.

Sony Ericsson Model: D750i, F500i, J300a, J300c, J300i, K300a, K300c, K300i, K500c, K500i, K506c, K508c, K508i, K510i, K600i, K608i, K700c, K700i, K750c, K750i, K758c, P800, P802, P900, P908, P910a, P910c, P910i, S700c, S700i, S710a, T610, T616, T618, T628, T630, T637, V600i, V800, V800i, W550c, W550i, W600c, W600i, W800c, W800i, W810c, W810i, W900c, W900i, Z1010, Z500a, Z520a, Z520i, Z600, Z608, Z800i

Currently not supported: T68, T68i

Nokia Model: 2650, 3100, 3108, 3120, 3152, 3155i, 3200, 3205, 3220, 3230, 3250, 3300, 3510i, 3595, 3650, 3660, 5100, 5140, 5140i, 6010, 6020, 6021, 6030, 6060, 6061, 6100, 6101, 6108, 6111, 6170, 6220, 6225, 6230, 6230i, 6235, 6255, 6255i, 6256i, 6260, 6265, 6585, 6600, 6610, 6620, 6630, 6650, 6670, 6680, 6681, 6682, 6800, 6810, 6820, 6822, 7200, 7210, 7250, 7250i, 7260, 7270, 7370, 7600, 7610, 7650, 7710, 8910i, 9300, 9500, E61, E70, N-Gage, N-Gage, QD, N70, N90, N91

Current not supported: 3410, 6250, 6310i

Samsung Model: SGH-C200, SGH-D307, SGH-D357, SGH-D500, SGH-D508, SGH-D800, SGH-E300, SGH-E310, SGH-E317, SGH-E330, SGH-E340, SGH-E350, SGH-E530, SGH-E620, SGH-E620, SGH-E630, SGH-E720, SGH-E730, SGH-E760, SGH-E770, SGH-E800, SGH-E810, SGH-P510, SGH-P730, SGH-X100, SGH-X450, SGH-X460, SGH-X480, SGH-X486, SGH-X497, SGH-X600, SGH-X610, SGH-X620, SGH-X660, SGH-X800, SGH-Z105, SGH-Z130, SGH-Z300, SGH-Z500, SGH-Z510, SPH-A500, SPH-A620, VGA1000, SPH-A660, VI660, SPH-A680, SPH-A700, MM-A700, SPH-A800, SPH-A840, SPH-A880, SPH-A880, SPH-A900, MM-A920, SPH-A920, MM-A920, SPH-A940, MM-A940, X120, X140, Z140

Currently not supported: SGH-X450, SGH-D600, SGH-D600E, SGH-E620, SGH-X640, SGH-E700, SGH-E720

Siemens Model: A65, C65, C72, C75, CF62, CF62T, CF75, CT66, CX65, CX70, CX75, M55, M65, M75, MC60, S55, S65, S66, S75, SK65, SL55, SL65, SL75, SP65, SX1, SXG75

Currently not supported: CL75, S57, ST60

Motorola Model: A1000, A630, A768, A780, A920, C380, C385, C390, C650, C975, E1000, E398, E550, E680, E680i, E770v, L6, MPx220, PEBL, V6, RAZR, V3, RAZR, V3i, RAZR, V3x, ROKR, E1, SLVR, L7, V1050, V180, V186, V188, V190, V220, V300, V330, V360, V500, V505, V525, V535, V545, V547, V555, V555, V557, V600, V620, V635, V710, V80, V975, V980, i605

Currently not supported: T720, T720i

**LG Model:** 6200, B2100, C1100, C1300i, C1500, C2000, C2200, C3300, C3310, C3320, C3400, CE500, F2100, F2400, F7200, F9100, L1400, M4410, MM535, PM225, PM325, U8120, U8130, U8210, U8330, U8360, U8380, U8380, VI-125



# Supported Mobile Phones







- Panasonic Model: SA6, SA7, VS2, VS3, VS6, X700, X800
- Qtek Model: 8020, 8100, 9000, 9100, S100
- NEC Model: c616, e228
- Sharp Model: 903SH, GX20, GX22, GX27, TM-100, TM-200, TM150, WS003SH
- Sanyo Model: MM-5600, MM-7400, MM-7500, MM-8300, MM-9000, PM-8200, RL-4920, RL-4930, S750, S750i, SCP-4900, SCP-5300, SCP-5500 VM4500, SCP-7300 RL7300, SCP-8100, VI-2300, WX310SA
- Alcatel Model: One Touch 556, One Touch 557, One Touch 565, One Touch 756, One Touch 757
- Audiovox Model: 8912, 8920, PPC-6700, SMT5600
- **02 Model:** Xda Atom, Xda II Mini, Xda II
- Orange Model: SPV C550, SPV M3000, SPV M5000
- Sagem Model: MY301X, MyZ-5, myC-4, myC5-2, myV-76, myX-7, myX-8, myX5-2, myX6-2, myZ-55
- Dopod Model: 818, 828, 900
- Benq Model: P50
- i-mate Model: JAM
- Pantech Model: PG-1200, PG-6100
- Philips Model: 355, 660, 755
- Sendo Model: S600, X
- Toshiba Model: VM4050

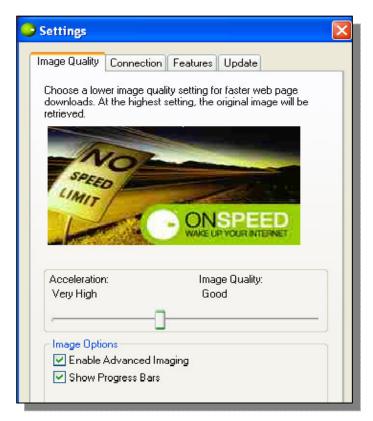


# Overall Major Benefits





#### **ONSPEED**



#### **ONSPEED Mobile**





# Overall Major Benefits for Operator / ISP





- Inclusion of ONSPEED enhances competitive market place differentiation
- Operator / ISP users of ONSPEED especially students and teachers and Businesses - will have a distinct ,edge' over competitors' products usage
- Provision of a leading-edge technology product such as ONSPEED adds value to Operator / ISP's Brand and Market Image
- Improved Internet Access accelerates attainment of the Knowledge Society and Bridges the Digital Divide
- Operator / ISP adoption of ONSPEED can become a sucessful case study internationally



### Overall Major Benefits for Operator / ISP





- Inclusion of ONSPEED and / or ONSPEED Mobile as bundled or subsidised added-value products significantly enhances competitive market place differentiation
- ONSPEED and ONSPEED Mobile become the long-awaited catalysts to generate widespread market interest in GPRS and 3G internet surfing and thus generate new high volume / high ARPU Data Business
- Provision of ONSPEED alongside 3G Wireless Data Cards enables a substantial new data business revenue, attracting new high ARPU customers
- Availability of ONSPEED and / or ONSPEED Mobile as highly regarded value-adds, enhances the ability to reduce churn and retain and attract new customers
- ONSPEED and / or ONSPEED Mobile as value added components enable significant migration of subscribers "up the plan" (from PAYG to AYCE packages)



### Overall Major Benefits for Operator / ISP





- Nationwide enhancement of Dial-up internet uptake, usage and acceleration using ONSPEED can be considered as substantial public good, socio-economic advancement and provides additional recognition of Universal Service Obligations
- Notwithstanding potential margins made on **ONSPEED**, Operator / ISP bottom line characteristics can be improved by **multiple millions of dollars** (Dashboard models are available from Teamwork to substantiate a wide range of scenario analyses)
- ONSPEED Potentially reduces, defrays, re-schedules the multi-million capital costs of high-speed internet infrastructure deployment
- Being packet-based, ONSPEED also seamlessly migrates with new WiMax, HSDPA, HSXPA technology platforms.

NB: British Telecom are already employing ONSPEED to obtain the above advantages. Other operators are currently undergoing very large-scale Trials and Evaluations



### Summary





- ONSPEED can power Operator / ISP 1515 Dial-up customers' internet surfing speed experience to 70% of Broadband at only 18% of the cost, enabling new Tiered Service offerings
- ONSPEED can accelerate Malaysian Government penetration targets prior to 2008
- A great brand, a working service and everything under full experts' support
- 100% hosted solution with zero time to market and zero risk to Operator / ISP
- Demand researched, excellent market potential and happy customers (87%)
- Ground-breaking, extremely positive industry reviews and industry critical acclaim
  - Operator / ISPs have the opportunity to:

Generate new profitable revenues, incremental GP in 2006 and a positive impact on bottom line

- Enhance Operator / ISP revenues through increased connect / access and usage time
  - Reduce churn, increase loyalty and attract competitor users to Operator / ISP and offer a unique product to the Operator / ISP customer base
    - Re-appraise new technology Infrastructure timings and costs



# Company Snapshot: Teamwork Outsourcing





- Teamwork is a Malaysian-based regional operating Company specialising in Telecommunications & Media Industry Added Value Services, Strategy Development & Consulting. A speciality is the creation of Corporate Executive Dashboards.
- The company was founded in Malaysia in 2002 and has prior (over twenty years) extensive international experience in Telco & Media including Business Modelling, Customer Lifetime Value & Loyalty Analysis, Competitive Differentiation, Tariffing and Sales / Marketing Strategies
- Teamwork has extensive knowledge of the issues in respect to customer uptake of Telco & IT products and services and particularly from the 'Digital Divide' perspective.

#### Teamwork, in partnership with ONSPEED,

provide a solution to maximising Dial-up and Broadband Internet Customer Value – Faster, More Valuable Internet Usage – A More Attractive Value Proposition for users and Operator / ISP – An Overall Acceleration Towards Becoming Part of The 'Knowledge Society'

www.teamworkasia.com / www.OnSpeedAsia.com



# Company Snapshot: **ONSPEED**





- ONSPEED is part of ZGroup, a London UK based holding of Internet technology companies founded in 2002. Z Group is a public company quoted on the AIM market of the London Stock Exchange
- ZGroup integrates exciting new technologies and marketing, servicing direct to consumers and businesses
- Customers include AT&T, C&W, AOL, NTT, SingTel, BT, Yahoo, Wanadoo, FT as well as corporate customers such as Sky News, TNT, UNICEF and The European Commission

ONSPEED is fully-serviced and hosted best-of-breed software combining the most advanced compression technologies available today, allowing consumers unparalleled, cost-efficient Internet Acceleration



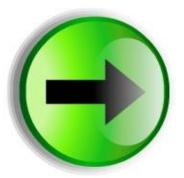
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### **ONSPEED Free Trials**





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