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Worldwide IP traffic will quadruple by 2015



By 2015 nearly 3 billion people will be online.



Device Growth

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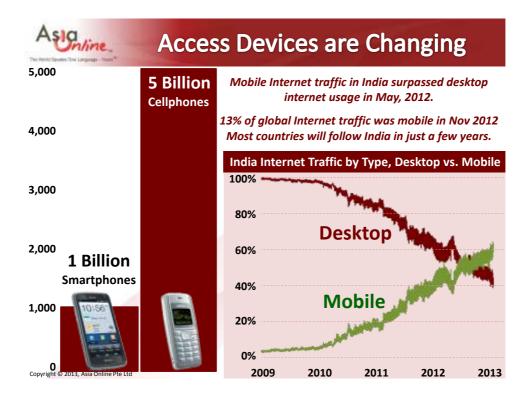
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By 2015 there will be more than 15 billion devices connected to the internet .

- We live in world which is **increasingly instrumented and interconnected**.
- The number of "smart" devices is growing everyday and the volume of data they produce is growing exponentially – doubling every 18 months.
- All these devices create new demand for access to information

 access now, on demand, in real time.

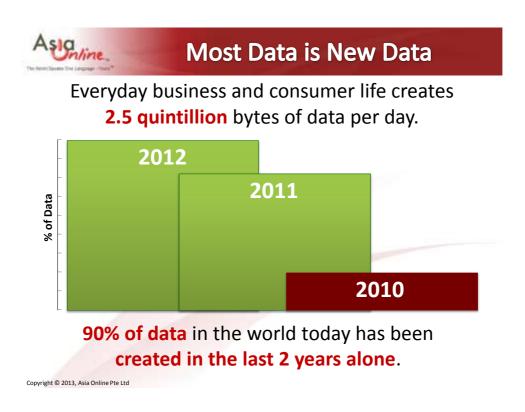


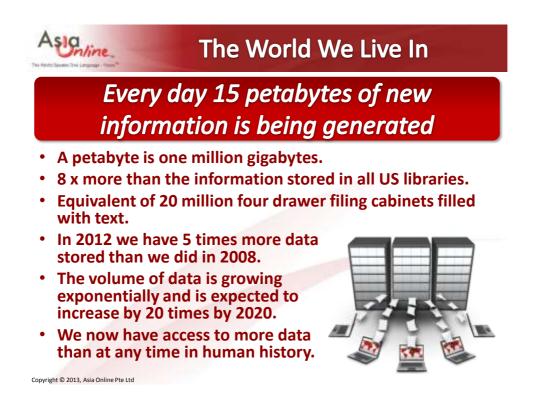




More Data – More to Translate?









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The World We Live In

• Common Sense Advisory Calculates:

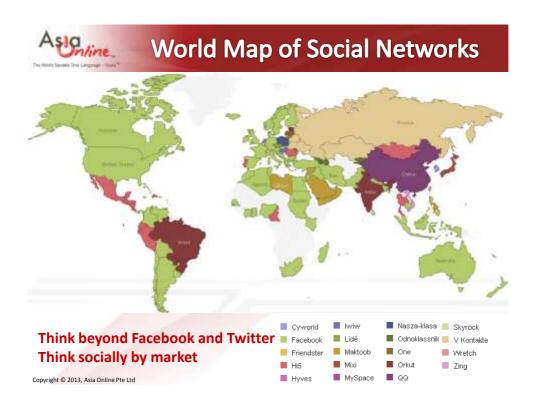
- US\$33.42 billion earned for language services in 2012
- Divide by 365 days
- Divide by 10 cents per words

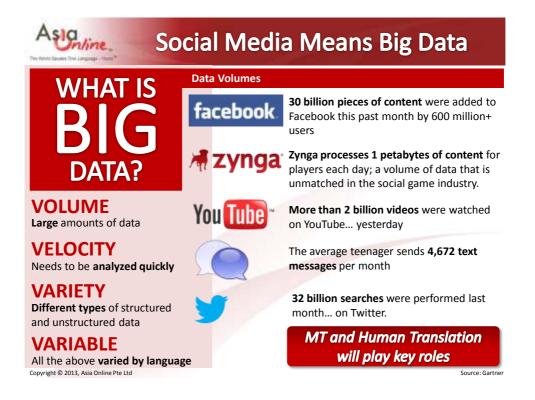
LSPs translate a mere 0.00000067% of the text information created every day.

How much new text information should be translated?

Even if only 1% of new text information created each day should be translated, that still means only 0.000067% is translated by LSPs

Average of the second se







- As types of data change, a growing portion of the translation work for humans and machines will be in the form of translation streams.
- Project work will still be important, but will become a rapidly shrinking portion of the work as the industry grows.
- Speed will be a key factor
- Quality will suffer initially, but recover over 2-3 years

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Discovery and Data Mining

- Automated translation for the purposes of discovering information will grow
- Cross border litigation – i.e. Apple vs. Samsung
- Patents

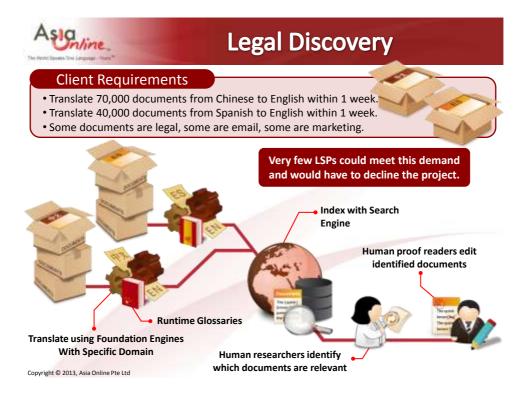
 Millions of documents in each language
- Research

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- Market Analysis
- Sentiment Analysis



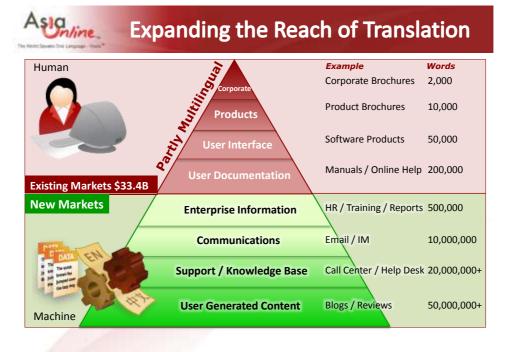


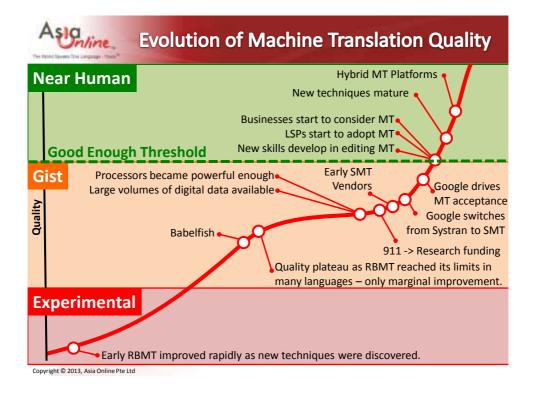
Auguine Machine Translation or Nothing!

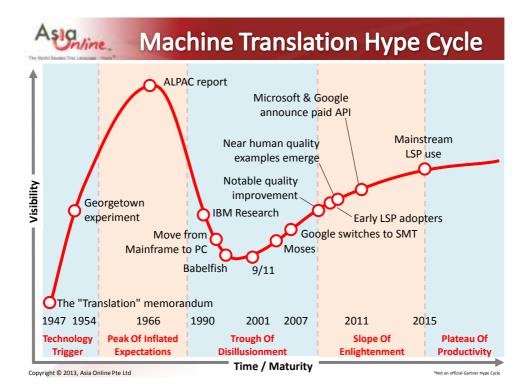
Translate 13 million historical patents from Japanese to English and also translate all new Japanese patents going forward. Follow this with the same task in many other languages.

It would take a human translator 152,257 years to translate all existing Japanese patents into English and would cost US\$ 40 billion.

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Aunine Let us be honest about translation...

Whether human or machine where there is translation, there will be errors

Machine translation errors make me laugh.

BUT

Human translation errors make me cry!

Machine translation is not perfect. Neither is human translation. Copyright © 2013, Asia Online Pte Ltd

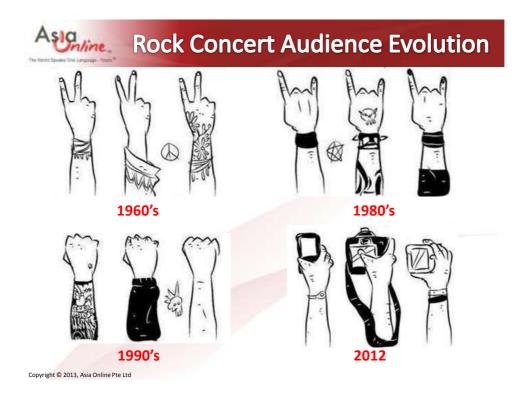


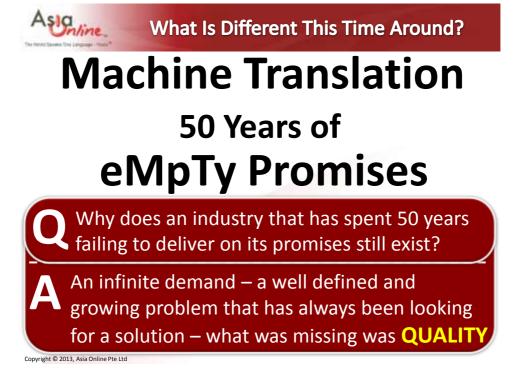


Please send any work to be translated."



how do i love thee	how can I keep from singing	how does one become a saint
how do i get a passport	from can I lose weight fast	how does one tree hill end
how do i put this gently	how can I last longer in bed	how does one get mono
how do i live without you	how can I keep from singing lyrics	how does one get ringworm
how do you	how can you	how do individuals
how do you take a screenshot	how can you mend a broken heart	how do individuals develop autoimmune diseases
how do you know	how can you get hiv	how do individuals acquire and develop language
how do you get pink eye	fow can you get herpes	how do individuals influence public policy
how do you get mono	how can you mend a broken heart lyrica	how do individuals manage stress
how do we how do we see how do we see color how do websites make money how do we account for me	how can we be lovers how can we stop bullying how can we stop global warming how can we conserve water	how does an individual how does an individual exercise self-control how does an individual judge right from wrong how does an individual invest how does an individual 401k work
Google how do they	how can they	how can an individual
how do they do it	how can they hear	how can an individual
how do they test for the flu	how can they hear unless	how can an individual buy stocks
how do they make almond milk	how can they believe unless	how can an individual change history
how do they make baby carrots	how can they film moonshiners legal	how can an individual start a business
	how do i get a passport how do i put this gently how do i live without you how do you how do you take a screenshot how do you get pink eye how do you get pink eye how do you get mono how do you get mono how do we see how do we see how do we see how do we see color how do they too the fue how do they test for the flu how do they test for the flu	how do i get a passport how can i lose weight first how do i put this gently how can i lose weight first how do i flive without you how can i lose weight first how do you how can i lose weight first how do you how can i lose weight first how do you how can i lose weight first how do you how can i lose weight first how do you how can i lose weight first how do you how can i lose weight first how do you get mono how can you how do you get mono how can you get hiv how do we see how can we med a broken heart lyrics how do we see how can we stop global warming how do they do it how can they hear how do they test for the flu how can they hear how do they make almond milk how can they believe unless





<image><image>







Aughine What is Translation Automation?

- Translation automation has been occurring piece meal over the last few decades, with major advances being offered by the personal computer, the internet and translation memory systems among others.
- These advances automate tasks that were either labor intensive or just not possible with a human only approach. Benefits have been delivered to enhance scalability and productivity.
- Translation Automation Includes:
 - Data Extraction and Conversion
 - Translation Memory Management
 - Project Management
 - Human Resource Management
 - Terminology Management
 - Machine Translation

MT has only recently become a part of these tools



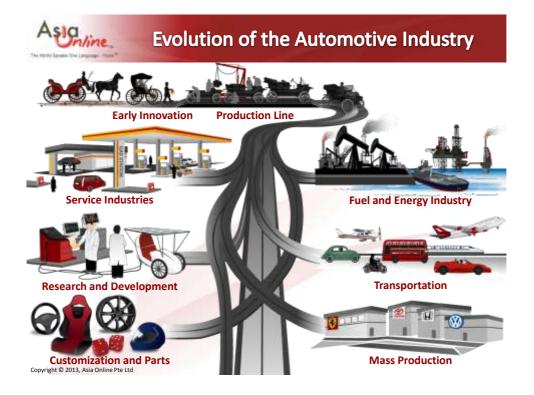
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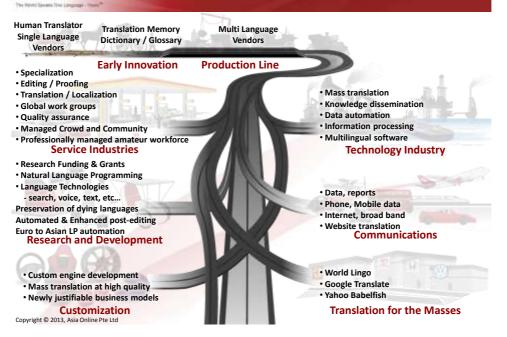
Many are worried that automated translation tools will replace human translators.

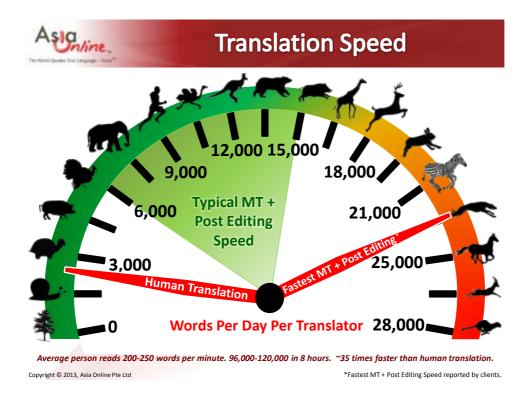
This will not happen.

However, human translators using automated tools will replace human translators who do not use such tools.



Unline____ Translation is Evolving Along a Similar Path





Aunter Top 5 Reasons For Not Adopting MT

1. Perception of Quality

- Many believe Google Translation is as good as it gets / state of the art.
- This is true for scale, but not for quality.

2. Perception of Quality

- Perfect quality is expected from the outset and tests using Google or other out-of-the-box translation tools are disappointing.
- When combined with #1, other MT is quickly ruled out as an option.

3. Perception of Quality

 The opposite to #2. Human resistance to MT. "A machine will never be able to deliver human quality" mindset.

4. Perception of Quality

- Few understand that out-of-the-box or free MT and customized MT are different.
- They don't see why they should pay for commercial MT as quality is perceived as the same.

5. Perception of Quality

- Quality is not good enough as raw MT output.
- The equation is not MT OR Human. It is MT AND Human

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The quick

brown fox

jumped over the lazy dog

Asignline. **Quality is a Factor of Purpose**

HOO

Google

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Establish Clear Quality Goals

Step 1 – Define the purpose

Step 2 - Determine the appropriate quality level

Document Search and Retrieval

- Purpose: To find and locate information
 - Quality: Understandable, technical terms key
- Technique: MT

Knowledge Base

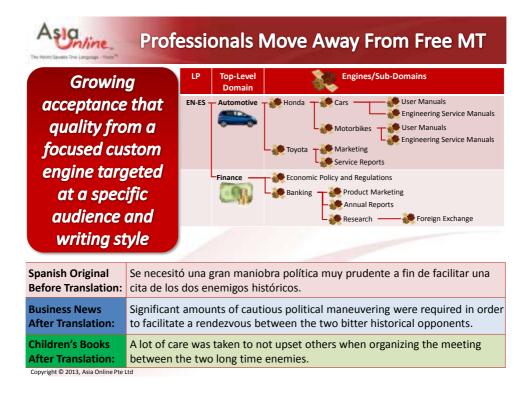
- Purpose: To allow self support via web
- Quality: Understandable, can follow steps outlined
- Technique: MT + Human for early documents

Search Engine Optimization (SEO)

- Purpose: To draw users to site
- Quality: Higher quality, near human
 Technique: MT + Human (student, monolingual)

Magazine Publication

- Purpose: To publish in print magazine
- Quality: Human quality
- Technique: MT + Human (domain specialist, bilingual) Copyright © 2013, Asia Online Pte Ltd



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sla line. **Upstart LSPs** Innovation from Outside the Industry A small number of new LSPs will be very technology driven, highly automated and provide new business models "Upstarts" will be fast and agile businesses, highly adaptive to change in order to meet and create new market opportunities. New techniques Crowd sourcing Editing on the run... Mobile phones while on the train or bus "Upstarts" will capture market quickly, taking some business from established LSPs in addition to new business. Larger more traditional LSPs will struggle to compete and will evolve to slow to block the challenge. Many will be focused on lower quality, rapid turn around, smaller, ad-hoc translation projects. 1-6 pages projects Pay by credit card in advance Limited quality control High volume of jobs High levels of automation Fast delivery times A key market focus will be smaller companies embarking on their first globalization and localization projects Results may cause some disillusion Copyright © 2013, Asia Online Pte Ltd

By Year End 2015

Leading LSPs will be translating more content in 1 year than in the previous 5 years combined.

- Globalization is increasing
- Information creation is accelerating
- Translation automation is a mainstream tool
- MT quality is improving

 Many examples of MT productivity rates matching the equivalent of an 85% fuzzy match on translation memories
- MT + Post Editing is rapidly becoming the norm
- Overall translation speed is increasing

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Whine. The Impact of a Translator Shortage

Skilled Translator Supply is Shrinking

- It is already clear that at 2,000-3,000 words per day per translator that demand is many multiples of supply.
- LSPs are having trouble finding qualified and skilled translators
 - In part due to lower rates in the market and more competition for resources
- Wave of new LSPs and translators
 - Many will try to capitalize on the market opportunity created by translator shortage, but with deliver sub-standard services
 - Lack of experience both new LSPs and translators
 - Lower quality translations will become more common place

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By Year End 2015

There will be more demand for translators and more translators than ever before. Roles in the industry will evolve & change.

- Post-editing MT a key skill
 - Some resources will not be able to adapt well
 - Others will evolve quickly and excel
- New pool of resources

 Easier for early career translators
- MT project management
- MT customization skills
- More technical skills
- Consulting skills
 What can be done with a combination of MT and human translation
- Systems integration and workflow

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Many specialists will re-invent themselves around MT

Maturing End Customers

Translation buyers are understanding the value of localization processes and data

- Prior to mainstream adoption of translation automation, most localization
 was mostly outsourced
 - No consideration for translation assets being created
- As enterprise globalization strategies mature, so does the understanding of the translation assets being created
- Many enterprises are assessing strategies and making notable changes
- Improvements in processes:
 - Requisition, purchasing, management and metrics.
- Working to avoid vendor lock in and enabling greater vendor choice
- Improvement in skills:
 - Vendor management
 - Translation memory management
 - Some are bringing MT in house and outsourcing the post editing only (both commercial and open source)

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