

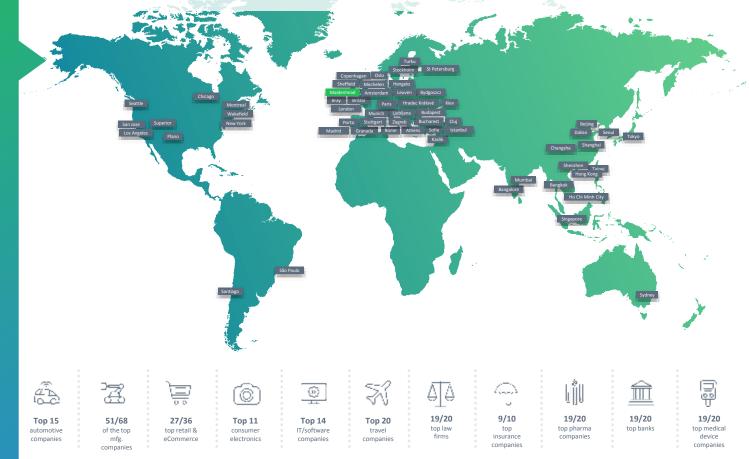
How Al can help you to get from Content Delivery to bi-directional Content Engagement

Jörg Schmidt – *Solution Consultant Structured Content* 1.11.2018 SDL*

Publicly traded company (LSE:SDL)

- Founded in 1992
- Annual Revenue: £341m
- HQ: Maidenhead, UK
- 4000+ Employees
- 59 Offices
- 39 Countries
- 400 Partners
- 3300 Enterprise
 - Customers
- 1200+ In-House Linguists
- 15,700+ Freelancers

Trusted by 85 of the Top 100 Global Brands



Technology to allow companies to go global faster

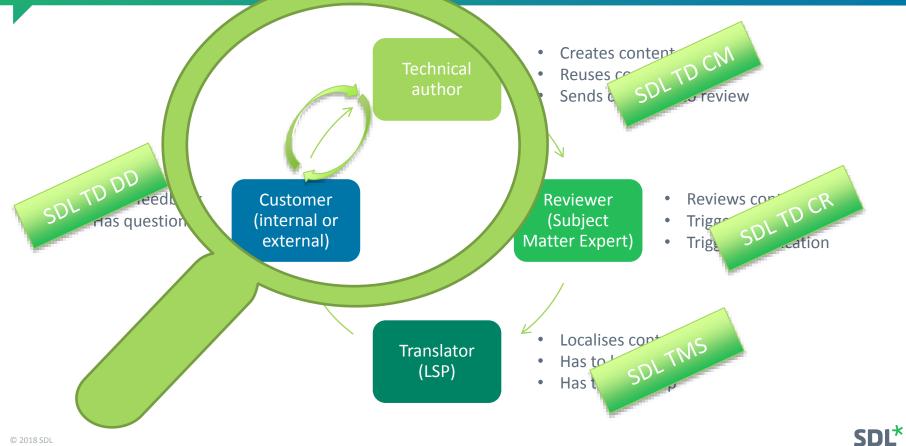


... fully integrated to cover the full content lifecycle

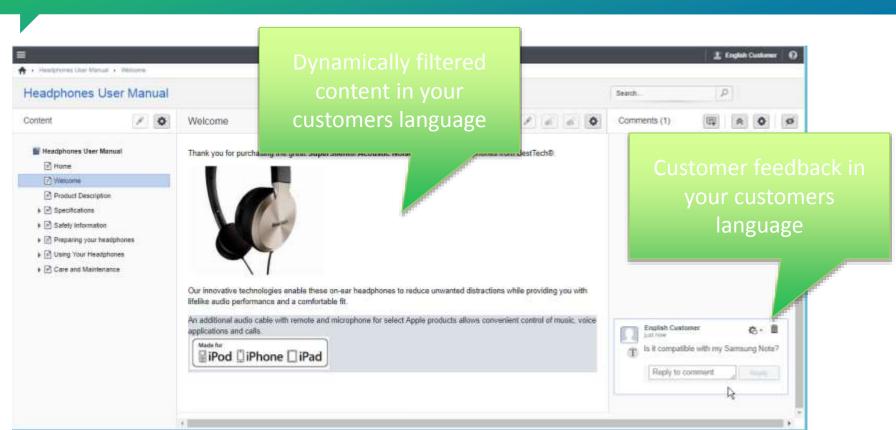


WHAT IS THE LIFECYCLE OF TECHNICAL CONTENT ?

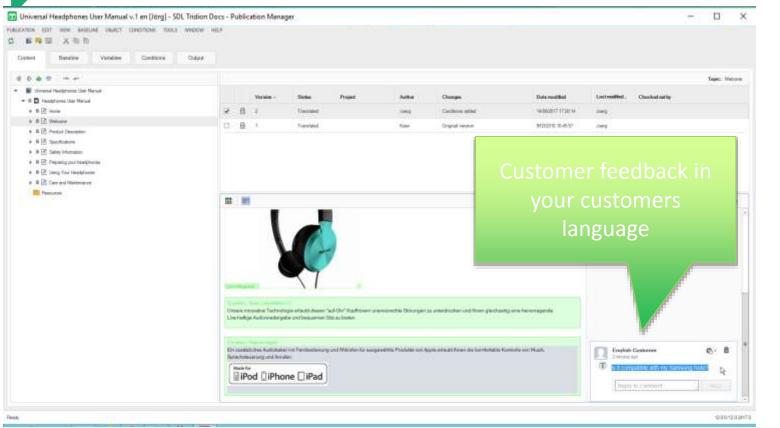
Technical content lifecycle



SDL Tridion Docs Dynamic Delivery



SDL Tridion Docs Content Manager



German technical author

WHAT CAN THE AUTHOR DO NOW?

Translation options for user generated content

Use existing translation management platform

- Too complicated
- Too expensive
- Too slow



MACHINE TRANSLATION

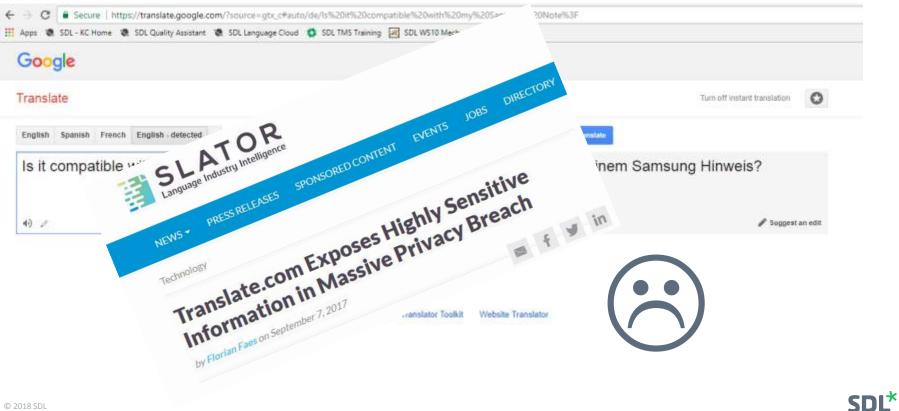
Translation options for user generated content

Machine translation

- Easy to use
- Very fast
- For free



Google, Microsoft, ...



Free MT tools – Security?

- You grant to Microsoft a worldwide and royalty-free intellectual property license to use retain transmit reformativity and the make conies of retain transmit reformativity of the make conies of th rou Brant to Microsoft a WorldWide and royalty-free Intellectual property license to us your content, for example, to make copies of, retain, transmit, reformat, display, and dietribute via communication toole vour content on their equiver
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SDI*

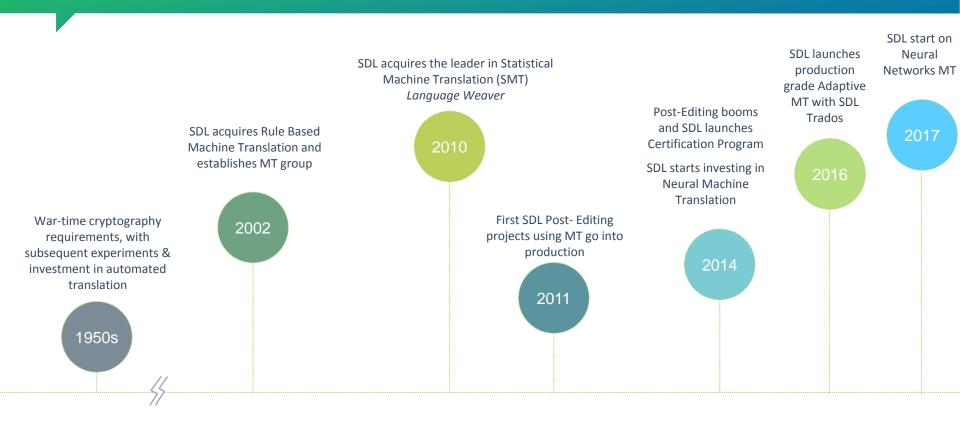
MACHINE TRANSLATION

Statistical Machine Translation

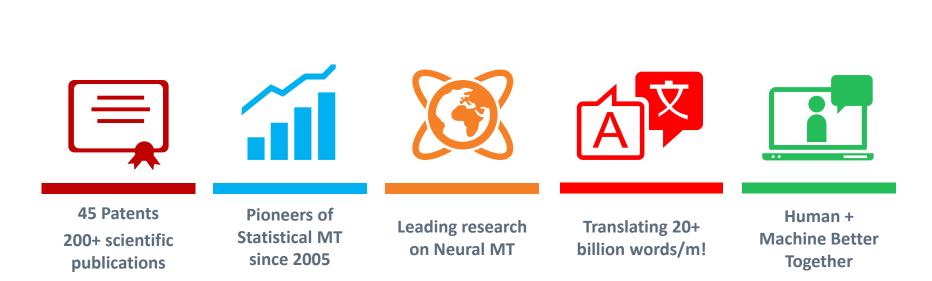


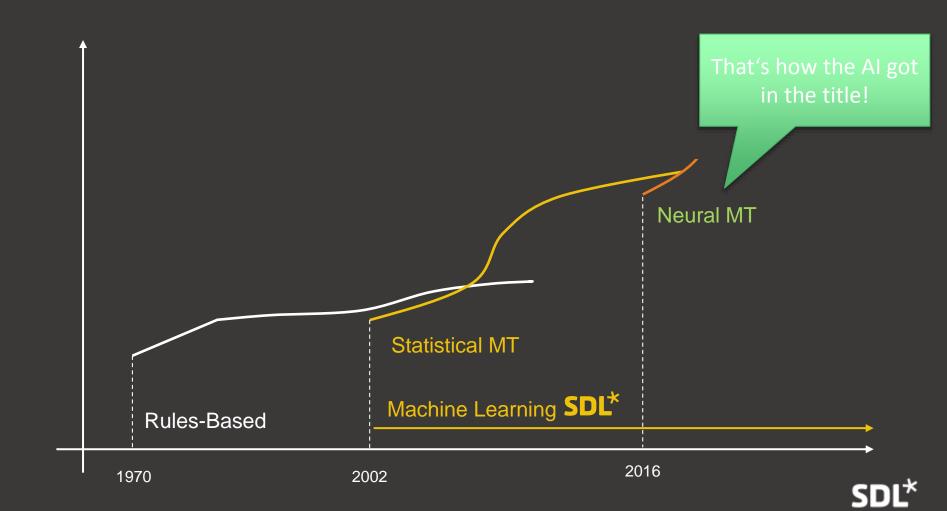
 $ilde{e} = arg \max_{e \in e^*} p(e|f) = arg \max_{e \in e^*} p(f|e)p(e)$.

Brief history of Machine Translation @ SDL

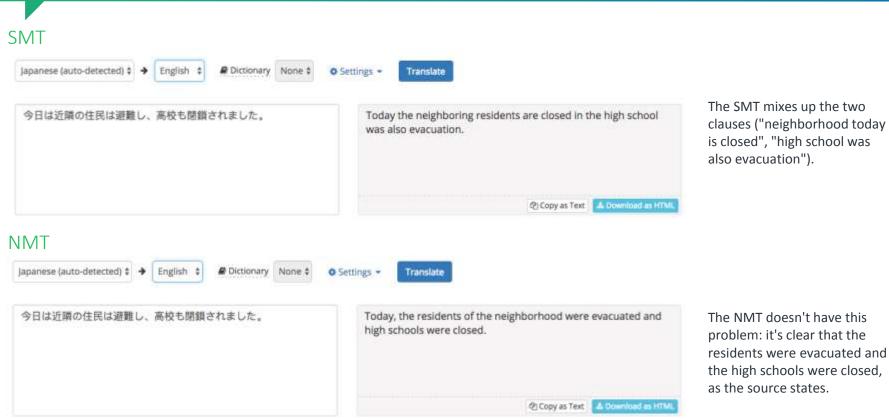


SDL's strategic focus on Machine Translation





NMT does make a difference!



SDL*

Human vs. Machine Translation

- Very high speed
- Very high volume
- Low cost / word
- Actionable quality

100k words per minute

- Low speed
- Low volume
- High cost / word

SDL*

Superb quality

Reasons to use MT



Translate a Mass of Content

Translating a Mass of documents or data that are too voluminous for investments in professional translation

Empower Human Translators

Using MT as a tool to increase the productivity of humans





Translate Quickly

Use the Speed of Machine Translation to eliminate language barriers and triage customer problems.

SDL MT Offering - Languages

Western Europe

- Danish <> English
- Dutch <> English
- Finnish <> English
- French <> English
- French <> Arabic
- French <> German
- French <> Spanish
- German <> English
- German <> French
- German <> Spanish
- Greek <> English
- Italian <> English
- Italian <> Spanish
- Norwegian <> English
- Portuguese <> English
- Spanish <> English
- Spanish <> Arabic
- Spanish <> French
- Spanish <> German
- Spanish <> Italian
- Swedish <> English

Eastern Europe

- Albanian <> English
- Bulgarian <> English
- Czech <> English
- Estonian <> English
- Hungarian <> English
- Latvian <> English
- Lithuanian <> English
- Polish <> English
- Romanian <> English
- Russian <> English
- Serbian <> English
- Slovak <> English
- Slovenian <> English
- Turkish <> English
- Ukrainian <> English

Middle East & Africa

- Arabic <> English
- Arabic <> French
- Arabic <> Spanish
- Dari <> English
- Hausa <> English
- Hebrew <> English
- Pashto <> English
- Persian <> English
- Somali <> English

Asia

- Bengali <> English
- Hindi <> English
- Indonesian <> English
- Japanese <> English
- Korean <> English
- Malay <> English
- S Chinese <> English
- Thai <> English
- T Chinese <> English
- Urdu <> English
- Vietnamese <> English

Generic Machine Translation



Generic engines for each language pair



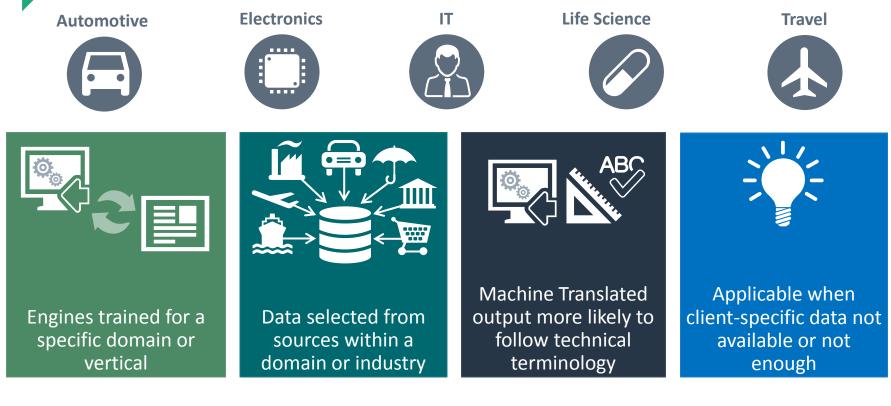
Trained with hundreds of **millions of words** of bilingual data

Quality Data mined from reliable sources



Applicable for general & varied content

Industry Specific Machine Translation



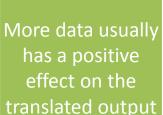
Customer Specific Machine Translation











Quality & consistency of data is as important as quantity



Adherence to client-specific terminology and style

Machine Translation

- Is good but not perfect
- Does not replace human linguists
- Is not a universal fit for all content types and use cases
- Does not conform to a single notion of QUALITY

It is not C3PO

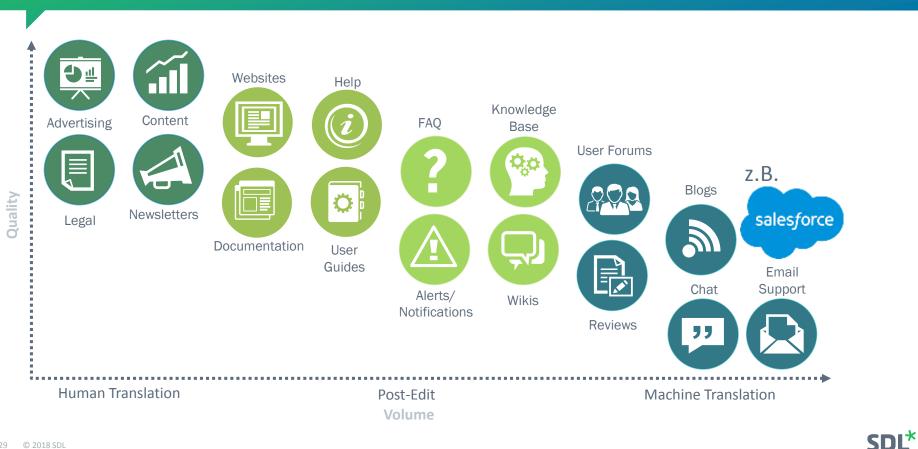
Machine Translation

It can do what humans cannot do
Is relatively inexpensive and expendable
It can be tweaked and customized for specific use cases
It can interface with external

systems

• Think UTILITY, like R2D2

Right translation method, right price, right time



SDL Machine Translation Products

SDL* BeGlobal

- Scalable cloud platform for real-time automated translation
- Multiple interfaces for various audiences
- Management and reporting
- Enterprise scalability and security
- Baseline and custom-trained engines
- Now with neural MT language pairs!
- Built-in quality assessment mechanism
- Pre-integrated or easily integrated; REST API

SDL Machine Translation Products





- Simplified cloud solution for end-users
- Built-in translation editor and TM
- Baseline, vertical and custom-trained engines
- Self sign-up & trial options
- Support for SDL Adaptive MT
- REST API



SDL Machine Translation Products





- Secure on premise deployment
- Scalable architecture for low and high throughput
- Optimized footprint and modular architecture
- Full language pair coverage
- Rich REST API for easy integration
- Simple UI for installation, administration, operation
- The only scalable on premise MT product
- Now with neural MT language pairs

SDL ETS

SDL* Enterprise Translation Server 1 Jörg Schmidt = 9 Quick Translate **9** Quick Translate Browse Translate • > German • Dictionary None O Settings -English Translate E Translation Queue # Dictionaries Is it compatible with my Samsung Note? Ist es kompatibel mit meinem Samsung Note ? ۲ 2) Copy as Text A Download as HTML O Drag and drop files here, or click here to choose files to translate R

SDL BeGlobal

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1 billion words / month of web **User Generated** Content translated into 13 languages



Same-day turnaround for



99.9%

of marketing projects



Machine Translation of inbound content 6 billion words





Software and Services for Human Understanding

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