

PROMT Technologies for Translation and Big Data

Overview and Use Cases

Julia Epiphantseva
PROMT

About PROMT

EXPIRIENCED

Founded in 1991. One of the world leading machine translation provider

DIVERSIFIED

66+ language pairs, 17+ languages, over 180 domain-specific dictionaries

WIDELY USED

Over 100 million hits per month on PROMT online translation services translate.ru and online-translator.com

PROMT Translation Technologies

Rule-based machine translation (RBMT)

- ✓ Accurate syntax and morphology
- ✓ Friendly for customization

Statistical machine translation (SMT)

- ✓ More fluent and “human-like” MT output
- ✓ Fast training

Hybrid machine translation (HMT)

- ✓ More fluent and and “human-like” MT output than pure RBMT
- ✓ More customizable and predictable than pure SMT

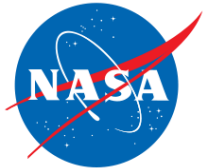
Available languages

- English
- German
- French
- Spanish
- Italian
- Portuguese
- Russian
- Ukranian
- Polish
- Latvian
- Japanese
- Turkish
- Bulgarian

- Kazakh
- Chinese
- Arabic
- Finnish*

* *Free demo access for Kites Symposium 2015 participants*

Our clients



Efficient Work with Multilingual Content

For internal communication



- Business correspondence with clients, partners, investors, foreign employers inside a company and its branches
- Information for competitive analysis, market research in foreign languages
- Legal and financial documentation

Why is MT Effective?

Be effective!



„Good enough“ quality is better than no translation at all

- No need to ask for help
- Translation in real time – no need to wait



Translation where it should be

- Without switching between windows and screens
- No need to reformat documents



Confidentiality guarantee

- Translation without intermediaries
- Translation in your own corporate network is safe from data leakage

Efficient Work with Multilingual Content

For external communication



- Product localization for new markets
- Corporate site localization
- Online-shop localization

Why is MT Effective?

Be global!



Faster

Speeding up document translation up to 30%



Cheaper

Post-editing is cheaper than translation from the scratch



Knowledge base

Linguistic assets (dictionaries, TM, translation profiles etc) for future projects

PROMT MT Output

Website translation



One page translation
for 1-2 seconds

Fast and easy!

PROMT MT Output

Scanned document translation



10 pages PDF document

for 8 seconds

Fast and without intermediaries!

PROMT MT Output

MS Office document translation



100 pages document
for 1 minute

The whole document without excessive post-editing!

PROMT MT Output

Business correspondence translation




Emails exchange in English

3 times faster


Reliable and confidential!


How to Obtain the Highest Translation Quality?


 Order the full customization for your project by PROMT team

 30+ implemented projects: for Cisco, PayPal, Microsoft, KasperkyLab etc.


 Choose ready-made dictionary collections

 5 collections to choose: Business, IT, Technology, Industries, Science

 Choose one of industry solutions

 9 ready-made solutions for key industries

 Take responsibility upon yourself!

 Use “light” customization for non-professionals

PROMT Translation Server 11

What's new?

- Improved translation quality through new intellectual algorithms, upgraded content of dictionaries and language models
- New component SmartTechnology to identify automatically the main parameters of documents (format, source language, type and subject matter)
- New modern and ergonomic interface
- New Agents for translation in any application and on any platform
- New language pairs (Chinese, Arabic, Finnish to English and Russian)
- New light localization of web-interface (Spanish, Portuguese, Finnish)

Task:

Regular content translation from the English web-site for publication on local web-sites (French, German, Italian, Russian, Spanish)



Solution:

- Automated translation in PROMT Translation Server and human post-editing
- Preliminary customization and training

Implementation Results:

- Time saving up to 35%
- Cost saving up to 25 %

Task:

Translation of traveler reviews from English into Russian for publishing without human post-editing



Solution:

- Automated translation in PROMT Cloud and automated publishing on the Russian web-site
- Statistical post-editing
- Confidence score for automatic evaluation of translation quality

Implementation Results:

- Large text volumes are translated quickly
- The translation quality is sufficient for full comprehension
- The solution is integrated into the TripAdvisor workflow

Task:

Translation of internal documentation from English, German, Spanish

Several hundreds users in different branches



Solution:

- PROMT Translation Server for Mining and Metallurgy installed in the corporate network

Implementation Results:

- Translation quality is good enough to understand emails, legal and financial documents
- Time and resource saving - business users have translation in real time mode

Benefits

Expand the borders of your business!



Efficient and safe
work with documents
in any foreign
language



Eliminating language
barriers in-house and
beyond



Speeding up business
processes related to
foreign
documentation



Improving personal
productivity of
employees while
working with any
multilingual content

PROMT Analyzer

- **Syntactic and semantic analyzer**, based on the MT technology
- **Linguistic database** with millions of word forms for European languages with semantic, grammar and morphology tags
- **Interactive tools** for creating user ontologies, data editing and algorithms management
- **User-friendly web interface** for visualization of analysis output
- **Open API** for integration into information analysis systems

PROMT Analyzer

Application areas

- Analysis of relationships between entities (people, organizations, events, data etc)
- Detection of activities of a certain object in mass media in a scope of time
- Identification of key terms in a document (summary, significant objects)
- Sentiment analysis
- Any business analytics with smart customization by users on their data in full confidentiality

Thank you!

Julia Epiphantseva
Head of Business Development
Julia.Epiphantseva@prompt.ru