



# Smart Language Translator

Language neutralization tool

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genpact





Smart Language Translator

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Smart Language Translator

# 1.Introduction

Boost productivity and global collaboration with our Power Platform–based Language Neutralization Tool. It ensures clear, consistent, and standardized communication across languages, reducing misinterpretations and enabling faster decision-making.

Global businesses today deal with a flood of documents such as emails, invoices, and attachments arriving in multiple languages. This often creates delays, misinterpretations, and significant manual effort in processing and understanding language specific information. Traditional translation methods are slow, inconsistent, and don't easily integrate with business workflows.

Our Power Platform based Language Neutralization Tool solves this challenge by automatically standardizing and simplifying multilingual content. Whether it's an invoice in Spanish, an email in French, or a document in German, the tool ensures quick, clear, and consistent interpretation across a process in any organization. By removing language barriers, it accelerates collaboration, reduces errors, and improves efficiency in day-to-day business operations.



Smart Language Translator

## 2. Business Challenge

In the age of globalization, communication across different languages has become crucial for businesses and individuals alike. Our Language Translator is designed to bridge this communication gap by not only translating text documents but also extracting vital information and presenting it in easily accessible formats such as XML or Excel. Some typical scenarios that engage huge manual effort are:

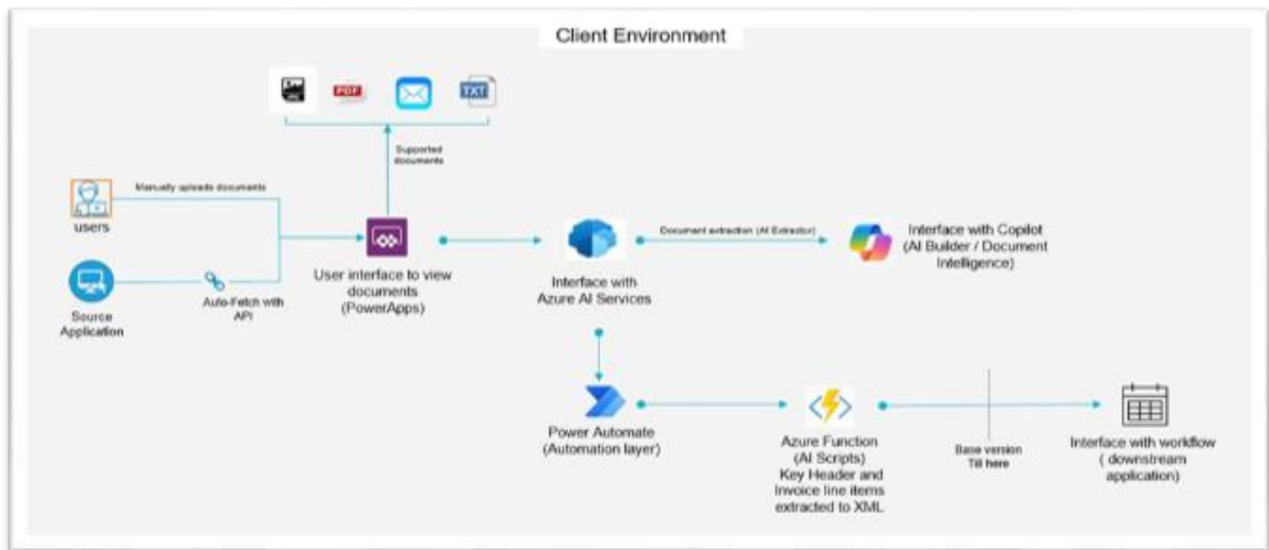
- Invoices received via Email/Paper are sent to the scanning partner for information extraction and then interfaced with workflow (VIM).
- For invoices which do not pass touchless, the invoice processing team uses translation excels, cheat sheets or google translate to understand the invoices and process it.



## 3. Our Solution

This solution is a custom-built translator and AI-powered extractor supporting \*\*75+ languages for seamless document translation. Its user-friendly interface enables easy uploads and viewing while the AI extractor retrieves key invoice fields for workflow integration. Designed as a modular service, it can integrate with various systems to enhance touchless document processing.

- **Improved Efficiency:** Automates the translation and data extraction processes, saving valuable time and effort.
- **Enhanced Accuracy:** Reduces the errors associated with manual translations and data entry.
- **Cost Savings:** Lowers costs by minimizing the need for human intervention in language translation and data processing tasks.
- **Streamlined Workflow:** Integrates seamlessly into existing document management systems, improving overall workflow.
- **Data Accessibility:** Makes critical information readily available in convenient formats, aiding better decision-making.
- **Scalability:** Capable of handling a wide range of document types and volumes, making it suitable for businesses of all sizes.





## 4.Features and Value

### 4.1 Features

- Custom made language translator and information extractor to translate documents /text to desired language with support for over 75+ languages.
- User friendly user interface to allow users to upload & view details.
- AI Extractor is capable of extracting key fields from the invoice and creating a file to be interfaced with any downstream workflow.
- Module Solution which can be integrated as a service with any source systems to Improve touchless posting of documents

### 4.2 Values

- Improved Efficiency: Automates the translation and data extraction processes, saving valuable time and effort.
- Enhanced Accuracy: Reduces the errors associated with manual translations and data entry.
- Cost Savings: Lowers costs by minimizing the need for human intervention in language translation and data processing tasks.
- Streamlined Workflow: Integrates seamlessly into existing document management systems, improving overall workflow.
- Data Accessibility: Makes critical information readily available in convenient formats, aiding better decision-making.
- Scalability: Capable of handling a wide range of document types and volumes, making it suitable for businesses of all sizes.



## 5. High-Level Solution Overview: How the tool Works

The solution is designed to autonomously translate documents and text across multiple languages, integrating seamlessly with enterprise systems. Here's a step-by-step breakdown:

### 1. User Interaction

- User uploads documents via a Power Apps-based interface.
- Supported formats include Word, PDF, Excel, HTML, CSV, XML.

### 2. Information Extraction & Storage

- The system extracts key information from the uploaded documents.
- Documents are stored in Azure Blob Storage for processing.

### 3. Translation Process

- The tool uses Azure AI Translator to perform translations.
- It maintains original formatting and ensures accuracy.

### 4. Output Generation

- Translated documents and text are generated.
- Structured data is extracted if needed.

### 5. Integration with Source Applications

- The solution can auto-fetch documents via APIs from source systems.
- It can interface with downstream workflows and applications for further processing.

### 6. Scalability & Automation

- Can be deployed as a standalone or integrated solution.



#### Smart Language Translator

- Supports autonomous operations via integration with platforms like SharePoint and shared mailboxes.





**Thank you**