

Stenograf

Revolutionizing
Polish & CEE Speech-to-Text (STT)
for unparalleled business advantage



Unlock the power of voice data with Stenograf



Voice data is useless, unless...
it's processed with a **top STT** system.



Stenograf enables precise
understanding of human speech,
transforming raw audio into actionable insights.



I Stenograf brings unrivaled accuracy & efficiency

Leading Accuracy:

Average transcription accuracy for Polish: 92.87%. This is 3% higher than OpenAI Whisper large v3. Independently verified on diverse speech datasets.

97% transcription accuracy with model customised on clients data.

Reduced Errors:

Achieves 30% fewer errors relatively compared to Whisper.

Blazing Fast:

Up to 50x faster than Whisper large from OpenAI.

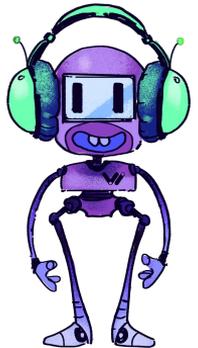
Superior Throughput:

Offers 55x higher efficiency. Processes an hour of audio in just 15 seconds

Resourceful:

4x less resource-intensive model than Whisper large, with a GPU VRAM size of just 0.88 GB.

*  [see detailed tech parameters benchmark](#)



Beyond transcription: Intelligent Analysis with NLP & LLM



Conversation Categorization (NLP):

Advanced module for automatic conversation categorization, enabling identification of topics, intentions, and key issues. Supports compliance and regulatory adherence.



Conversation Prompting (LLM):

Dedicated Large Language Model optimized for advanced information extraction, summarization, trend identification, and answering complex queries based on voice data.



Data Security & Compliance:

Guarantees data anonymization, and compliance with regulations GDPR, DORA, NIS2.



Customization:

Models adaptable to clients' terminology (financial, medical etc.) and specific procedures.



Transforming voice data into business value across industries

Reduced Costs 💰✂️

Automate processing of **large audio volumes**

Boosted Efficiency 🚂💨

Instant detection, analysis, and conversion of voice data

Enhanced Compliance ✅📄

Accurate documentation for regulated industries

Ensured Privacy 🤖🔒

Enterprise-grade security with flexible deployment
(cloud, on-premise, hybrid)



Key Sectors

#IoT #media #telco #callcenter #medicine #law #administration #education #research

Financial Sector (Bank - [Current Offer](#)):

Proposed for scaling automation of audio content processing in call centers, internal conversation archiving, and analysis.

Media (TVN S.A. - [Current Offer](#)):

Proposed for automating audio and video content processing, transcription, and analysis using a dedicated LLM.

Research Industry (Pilot phase with NDA client)

Entering PoC to demonstrate our capabilities in data analysis for Market Research (CATI, F2F, Mystery Shopper) and Focus Groups, significantly accelerating insights and reporting efficiency.



Massive Potential in Slavic Voice Market



317 M

People



334 M

Phones + radios +
TV + PCs
delivering voice



542 M

Minutes per year
of YouTube
uploads



834 M

Microphones



8 B

Minutes
per year of device
interaction



41 T

Words
per year in
voice calls



Intellectual property assets

Datasets

Manually transcribed: **30k h** in
Tagged & aligned, in **18 categories**.
e.g. law, medical, commerce, sport, tech,
games, moto, finance, politics
Used also to train NLP lang models,
> **50 mln words**.

All  **Podcasts: 110k h**
>290k recordings, 7,5k channels

Automatically transcribed: **200k h**
Various source recordings in the wild,
multi acoustical conditions, noises.
Used for pre and self-supervised
training.

Competitive moat  

AI models

 **Speech To Text** **Accuracy ~ 93%**
Unique lexicon-free approach, end-to-end
neural model, covers acoustics of robust
speakers and noises.

Punctuation and Capitalization
Tailored to spoken, conversational text.

Speaker Division
Adapted to slavic languages and
noises.

Time codes alignment

Auto Summarization with own LLM
GPT-like model to generate report

Save time & money  

AI infrastructure

Cloud native, pipelines & clusters
to process huge amount speech data
>30TB on clusters with 400-1000 nodes.

Harvest and destille data in bulk
Use distributed compute power to train
models.

Pipeline to **fine tune** on client's data for
custom dictionary models preparation.

Evaluation leaderboard to benchmark
models against multiple metrics on
various datasets.

Ready for more languages



Tech expert to lead STT development



Paweł Cyрта Chief of AI

Senior ML Engineer & Researcher
Responsible for STT delivery

Polish Language Expertise:

Built specifically for the intricacies of the Polish language, setting a new industry standard. Ready for other Slavic languages.

Robust AI Model:

Unique lexicon-free approach, end-to-end neural model, covering acoustics of robust speakers and various noises.



Core team



Tom Horecki CEO
Management & Growth

Experience:

8 years in nationwide projects management

4 years in international sales

Recent Education:

Founders Academy by Google for Startups:

Leadership 1st Cohort

Business Model Mastering 6th Cohort

ALK: **Business.AI**



Paweł Cyrta Chief of AI
R&D, ASR delivery

Experience:

15 years in audio & video analysis, speech recognition, audio/speech ML, denoising, text NLP postprocessing from ASR output error correction, model benchmarking and data annotation. Research scientist and software developer.

R&D focus: **Speech recognition, ML**



Aneta Wróbel Head of HR
Project management

Experience:

4 years in remote recruitment and HR & project management

Recent Education:

HR Business Partner, RemoteHow



A representant of people with disability.



Polskie Stowarzyszenie
HR Business Partner



Tomasz Klimek ~~veł~~ **Ślęzak** CFO
Finance & Analytics

Experience:

7+ years in Accounting, Taxes, Audit
20+ years in Management Accounting, FP&A, Finance Business Partnering

Education:

International trade, Chartered Institute of Management Accountants, Data Analytics



15% (pre ESOP) belongs to Shape VC



Right Time, Right Product, Bright Vision



Post-COVID reality made people open for regular communication via telco and voice.

Proprietary Deep learning methods of Stenograf provide **top recognition accuracy**.



STT systems will become as **crucial in communication** with surrounding devices as highways are in logistics today.



Next steps

1. Discuss potential applications
2. Request our detailed **technical white paper**
3. Learn about our IP portfolio

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Book my time



YOU talk WE deliver

[WEimpact.AI](#) [Stenograf.io](#) [DataLabeling.EU](#)

