

Digitizing public sector organizations with Conversational AI

June 2019 European Cities Conference

www.ONDEWO.com

High expectations for digitalization in public sector

Expectations

Customer experience

Making it easier for citizens to use government services.

Public value Optimizing the return on public investment.

Citizen security Keeping people, information and strategic interests safe.

Future workforce

Improving capabilities in the public sector and reimagining work.

Smart infrastructure

Helping societies and economies to function better.

Source: Ernst & Young

Exemplary use cases



Virtual assistant Alex helps with general taxation enquiries (Australian Taxation Office)



A chatbot will help get general information, book appointments, and handle highly personalized document services (Singapore, Smart Nation initiative)



3 virtual agents (immigration, taxation, patent & company registration) seamlessly "hand over" in case of topic changes (Finland)



...need to overcome several severe challenges

Expectations	Challenges	
Customer experience	Quality of services Enable meaningful interactions with citizens	
Public value	Limited resources Safeguarding a sustainable work-life balance	EPSU
Citizen security	Data storage, ownership & security Challenges to effectively comply with regulation	EUROPEAN PUBLIC SERVICE UNION
Future workforce	Safety and well-being at work Pressure to master new technology	Local & Regional Europe
Smart infrastructure	Internet connectivity Both in private homes and public spaces	
Source: Ernst & Young	Source: European Public Service Union (EPSU), CREE/CEMR

ONDEWO GmbH – www.ondewo.com – office@ondewo.com -20190618 European Cities Conference - June 2019 © ONDEWO 2019 Confidential and proprietary: Any use or distribution of this material without written specific permission is strictly prohibited

3



ONDEWO Conversational AI builds that bridge

Customer experience	Automated interactions in natural language		Time to focus on citizens	Quality of services
Public value	"first time right" due to best recognition rates		due to automation o non-value adding task	
Citizen security	Can enable 24/7 emergency services		GDPR-compliant full on-premise solution	Data security
Future workforce	Conversational AI powered trainings	ONDEWO	Customizable without AI knowledge	Safety & well-being
Smart infrastructure	Enables humans to interact with IoT world	CONVERSATIONAL AI	Online-Offline capabilities	Internet connectivity





Our AI understands human language ...



EMAIL INPUT

Dear hiring department,

I am writing to you since I want to apply for a Software Developer postion at your compnay.

My name is Julia and my last name is Maier. I just moved from Berlin to Burgasse, Mariahilf in Vienna.

Please call me tomorrow between 14:00 and 16:00 at +43 650 233682. Can you please tell me more about your recruitment process?

Best, Julia AUTOMATIC EMAIL ANALYSES IN CUSTOMER CARE CENTERS

AI UNDERSTANDS

Content (named entities)

- Country=Austria (NerVersion)
- Interview=Interview (NerVersion)
- sys.date-time={'startDateTime': '2019-03-07T14:00:00.000-08:00', 'endDateTime': '2019-03-07T16:00:00.000-08:00'} (NerDuckling)
- sys.phonenumber=43650233682 (NerDuckling)
- Inform=Inform (NerVersion)

CLICK

TO

ANALYSE

Recruitmentprocess=Recruitmentprocess

Intent detected

- 1. 0.7437 i.customerdata.database (IntentMetaClassifier)
- 2. 0.1608 i.general.defaultfallback (IntentMetaClassifier)
- 3. 0.05237 i.job.interview_meeting_when (IntentMetaClassifier)
- 4. 0.01908 i.job.candidate_failed (IntentMetaClassifier)

Interpreting text parts as entities (e.g., phone nr., time durations, address)

Identifying human intents (e.g., "update my customer data"

<1 sec for full NLP analysis</p>



... saves a lot of time by filling forms for you



Automates navigation of complex software solution or workflow engines

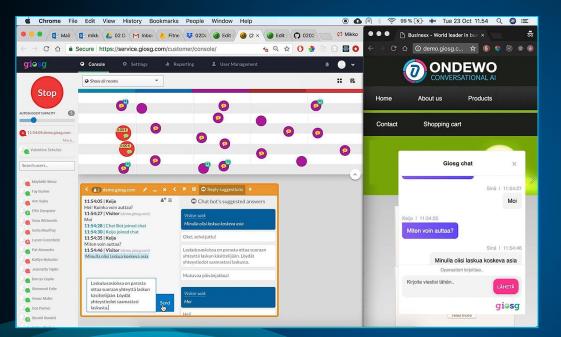
Multiple languages even very difficult ones e.g., German, Finnish

http://bit.ly/30bwhbC

Source: Voice automation proof of concept 4 months



... and writes the best answers for you



Saves 300,000 EUR per year (customer business case)

 Knowledge assistance and best practise answers for agents



Source: Finnish call center proof of concept in 8 weeks

http://bit.ly/2Jfkhk3



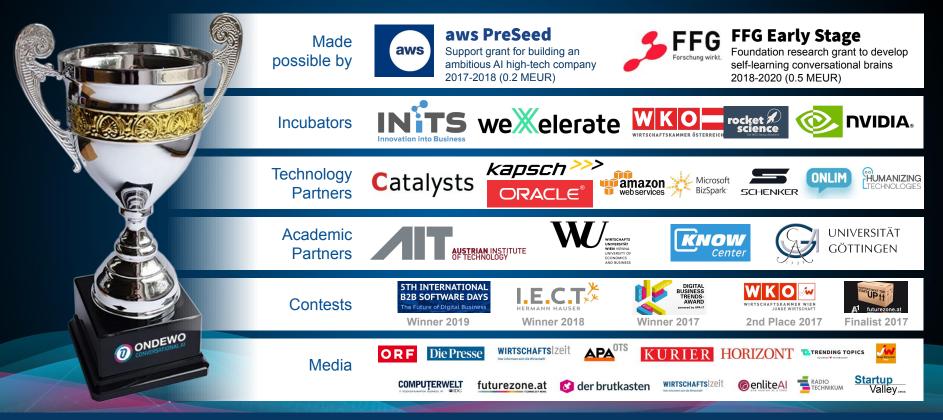
... makes voice assistants & chatbots smarter



http://bit.ly/2vR7V9m



Our partners and support network



ONVERSATIONAL A

Contact me

10



Dr. Andreas S. Rath CEO & Co-founder andreas.rath@ondewo.com Tel.: +43 650 2348884

ONDEWO GmbH Maria Jacobi Gasse 1, MQ Marx 3.2, 1030 Vienna, Austria



ONDEWO CONVERSATIONAL AI

www.ONDEWO.com