



Accessible voice technology for people with impaired speech



with Voiceitt

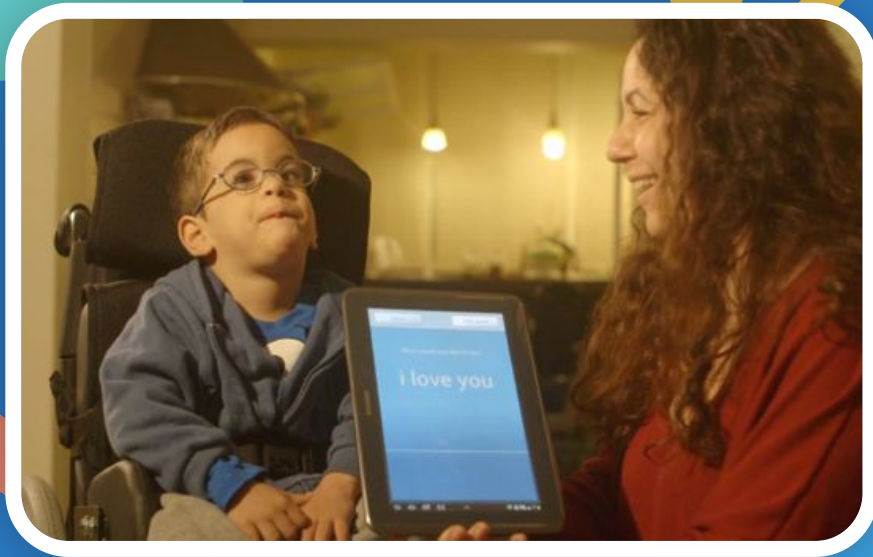
Regional Competition for Europe: Innovative
Digital Solutions for an Accessible Europe

March 2021

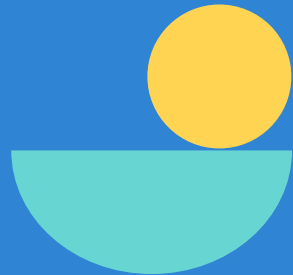


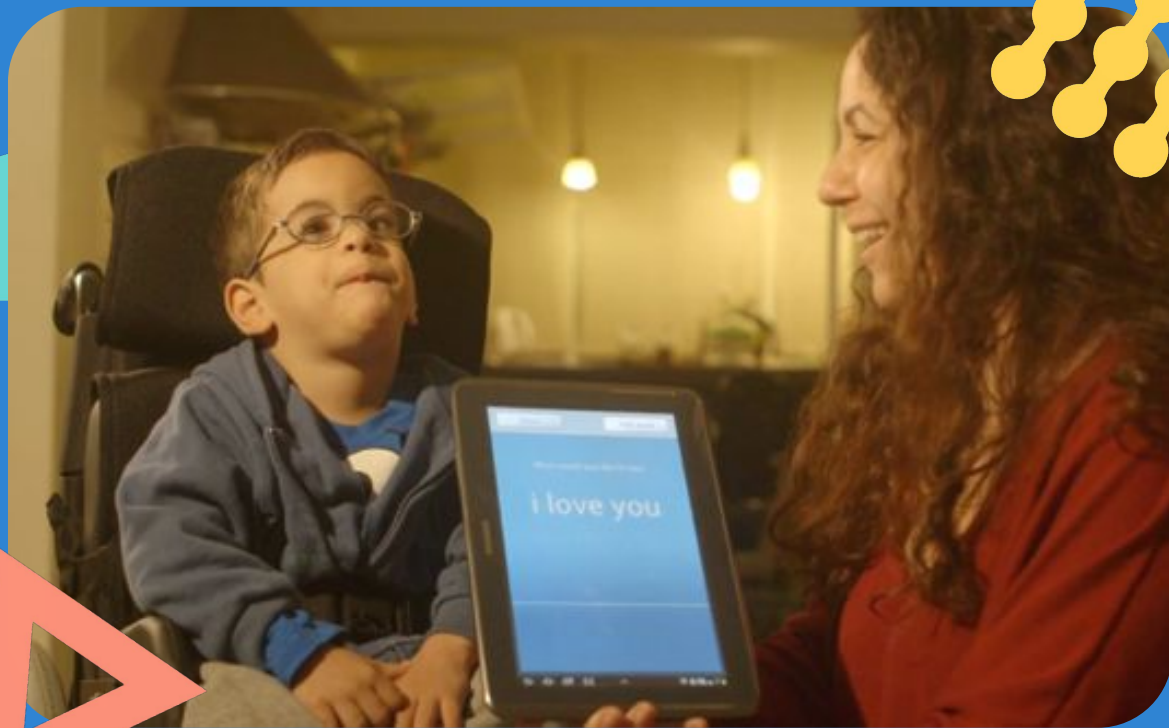


speech
recognition
for everyone



Empower people with **non-standard speech**
to communicate using their own voices
by building **accessible voice technologies**
for products & services everywhere.







Cerebral Palsy

Parkinson's Disease

Down Syndrome

ALS

Stroke

Traumatic Brain Injury

**non-standard speech correlated with
diverse underlying conditions**

Multiple Sclerosis

6 million in the EU alone

Severe Hearing Loss

Motor Neuron Disease

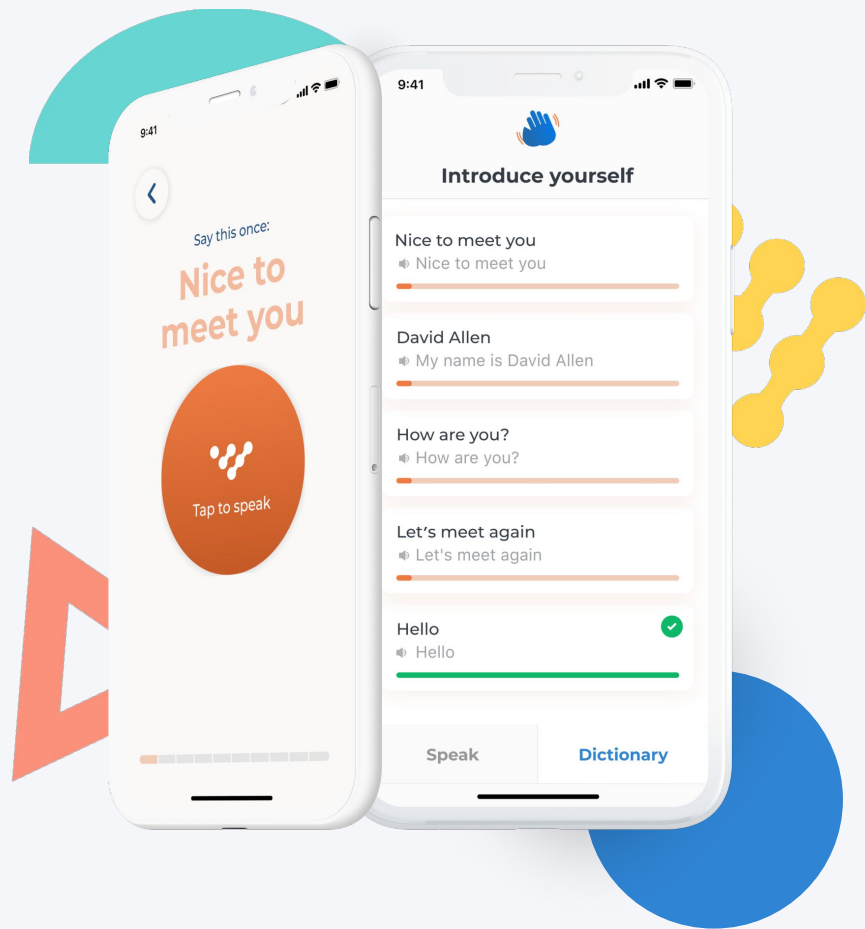
The Voiceitt App

An intuitive, **accessible** communication solution

Customized to each user's unique speech & usage characteristics

GDPR compliant

Works in **all EU languages**









Voiceitt is the only available solution

that supports the **non-standard speech** spectrum.



NORMAL, FLUENT
SPEECH ABILITY

-  amazon alexa
-  Google Assistant
-  Siri
-  Cortana

Mainstream tech uses approaches optimized for standard speech

UNSUPPORTED
LANGUAGE / DIALECT

ATYPICAL SPEECH
PATTERNS / CADENCE

MILD / MODERATE /
SEVERE IMPAIRMENT¹

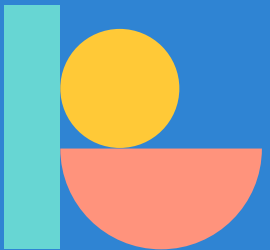


NO SPEECH
ABILITY

-  AssistiveWare
-  tobii
-  PRC

Assistive tech provides alternatives for when speech is not an option

Patented AI-powered speech interpretation system translates from **unintelligible** to **understandable**.



01

AUTOMATED IMPROVEMENT

Machine learning algorithms generate user-specific models
Personalized performance continuously improves with usage

02

PROPRIETARY DATA SET

Non-standard speech samples collected & annotated
Speech corpus & barriers to entry grow organically with usage

03

MORE THAN SPEECH

Models interpret utterances, cadence, breath, & pauses
Essential to non-standard speech prediction & recognition

04

WORKS WITH ANY LANGUAGE

Algorithms utilize individual speech training & inputs
No language-specific training needed for most languages

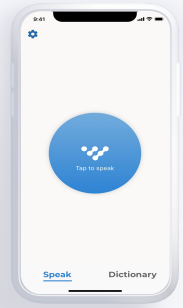
Integrated system combines on-device recognition

WORKS OFFLINE NO LATENCY DATA SECURITY

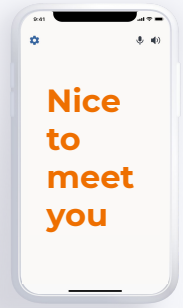
Non-standard speech input



Voiceitt app (offline)



Standard speech output



SYNCHRONOUS

ASYNCHRONOUS



Speech model created & updated for ongoing performance improvements with use

with cloud-based machine learning.



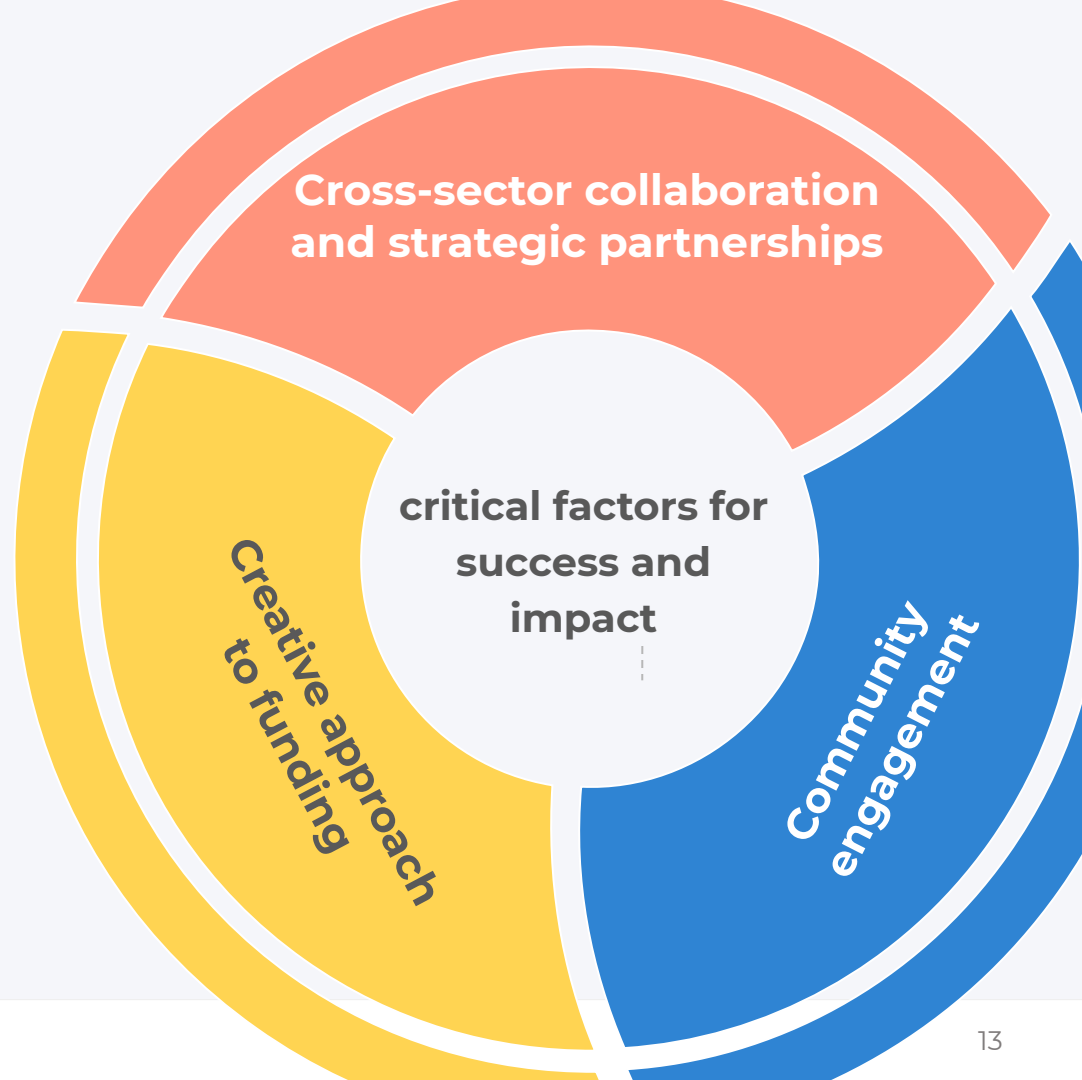
Early adopters around the world

informed our design decisions and product features



Multi-stakeholder support

In our experience, growing an assistive tech startup requires addressing industry-specific challenges



Multi-stakeholder support

In our experience, growing an assistive tech startup requires demonstrating applicability for and utility in mainstream use cases

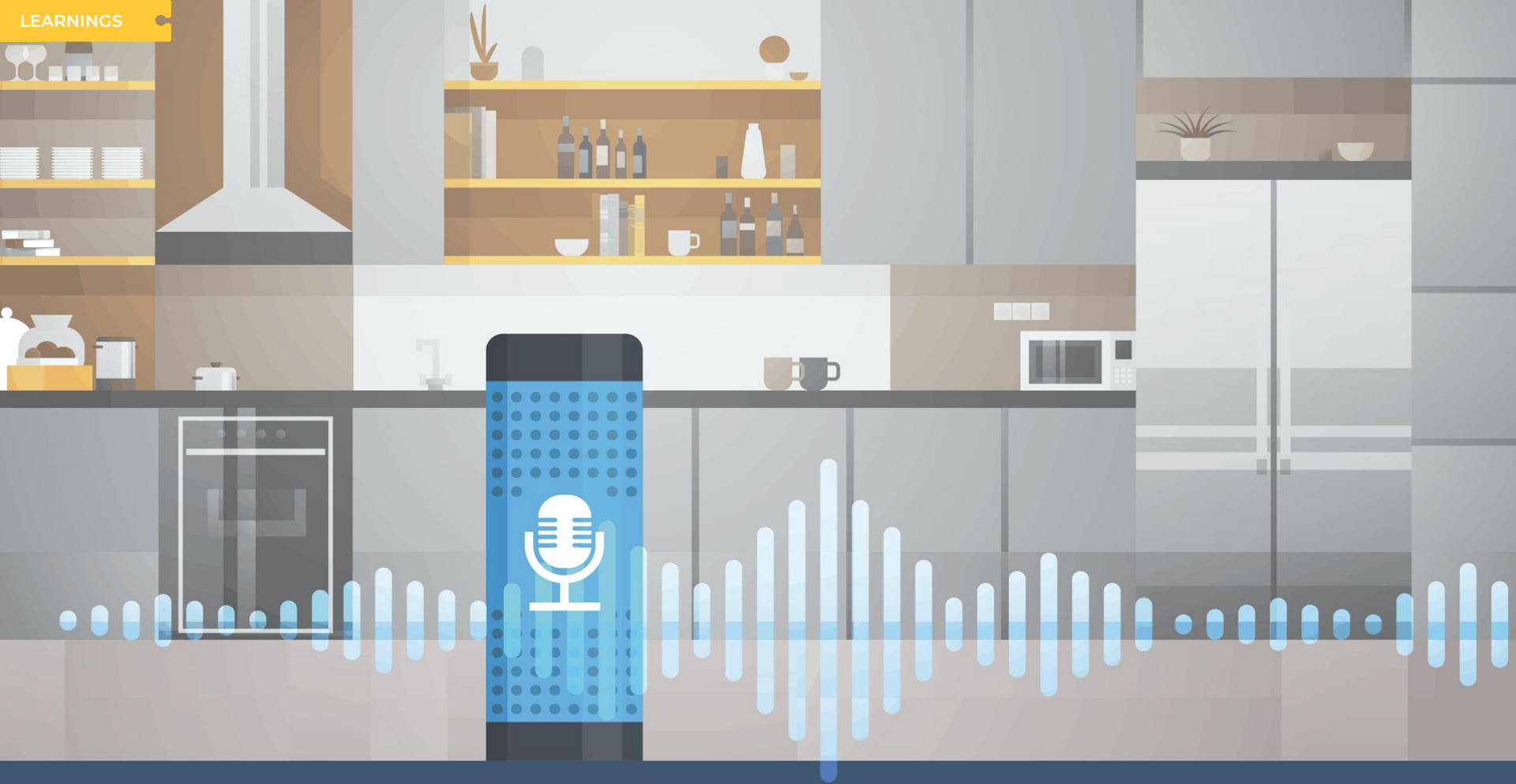


INVESTORS



GRANTS, COMPETITIONS, PROGRAMS







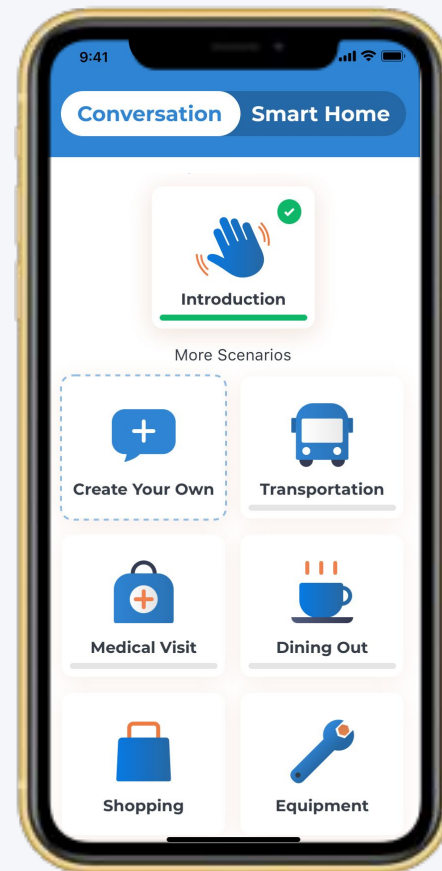


Alexa

Conversation v. Smart Home

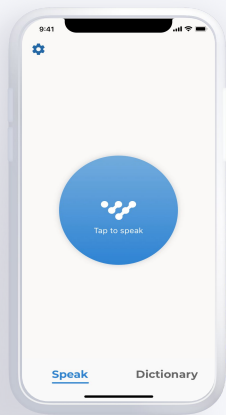
Use the **Conversation** dictionary to communicate with people around you, whether you're out at a restaurant or visiting the doctor.

Use the **Smart Home** dictionary to communicate with your Alexa device

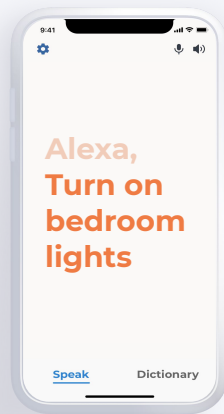


VOICEITT HOME

enhances independence



User taps the accessibility switch button, and Voiceitt listens to the user's speech



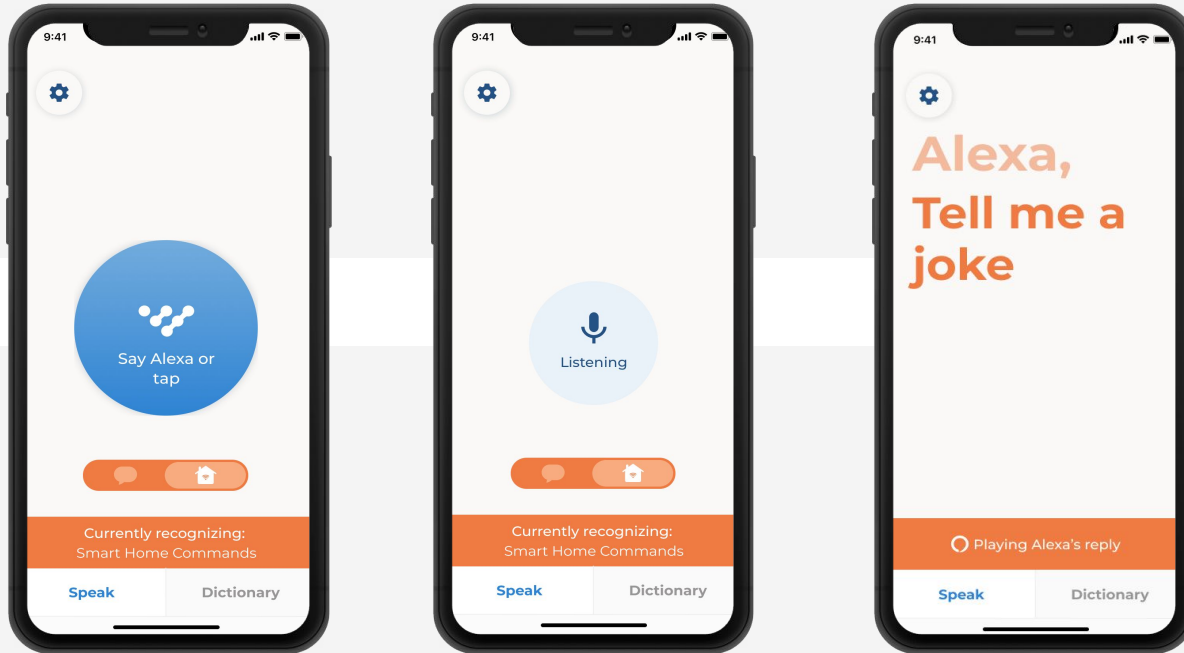
Voiceitt translates user's speech and sends the command to Alexa



Alexa performs desired command, and information requests are played back in the Voiceitt app

Using Voiceitt Smart Home

Voiceitt will recognize unlocked commands. It will send the command directly to the device and perform the function.



SAMPLE COMMANDS



“Set a timer for an hour”

Recorded Phrase Alexa Command

Lamp on Turn lamp on

Turn lamp off Turn lamp off

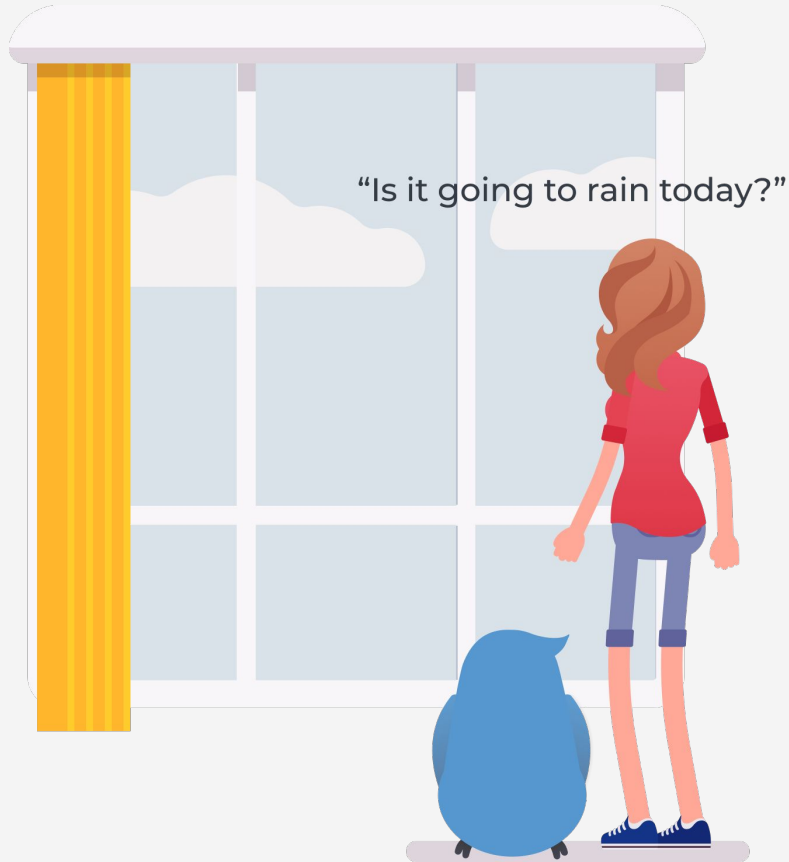
B101 Play B101 from iHeart radio on Sara’s Echo Plus

Weather What’s the weather in Philadelphia?

Too loud Turn volume down on the TV

Phillies Phillies team update

Temple Owls Go to channel 853 on TV



Supporting independent usage

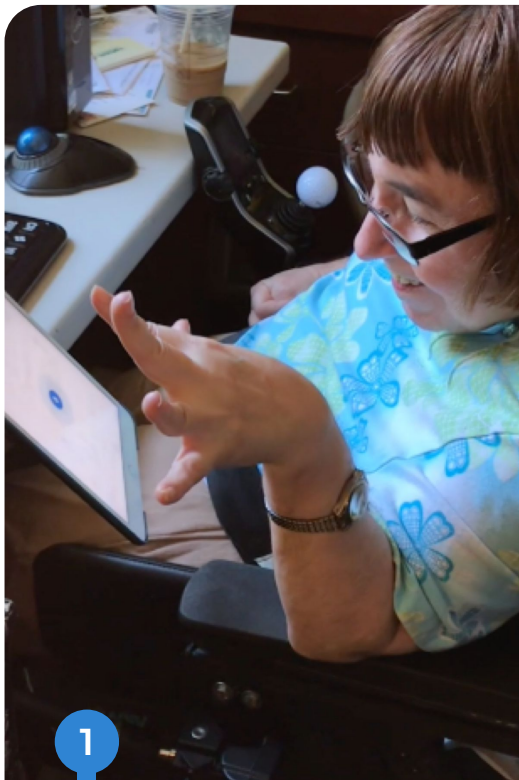
Onboarding process intuitive, accessible

Activated by voice ("wake word")

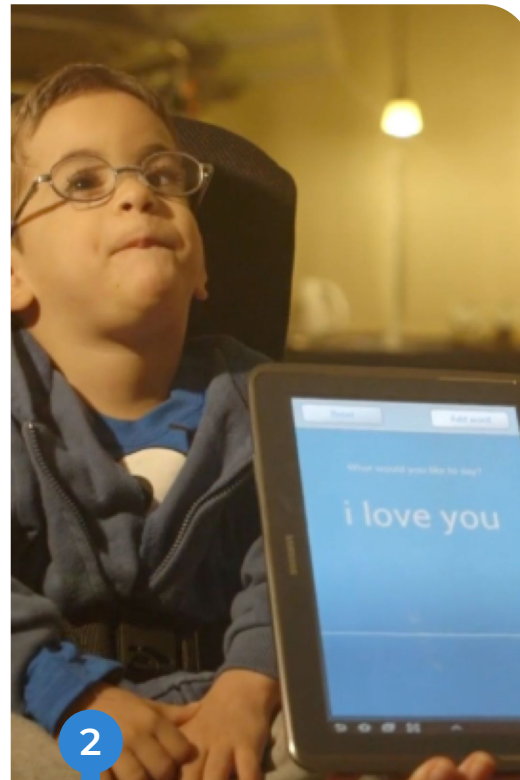
Seamless interaction to execute voice commands



Dual-function mobile app



Use smart assistants



Communicate with
other people

Voice technology is
the next dominant
user interface.



COVID-19 has accelerated
contactless voice tech adoption.



Standard speech recognition is
unable to serve many who need it
most.



Accessible speech
recognition
technology is
more relevant
than ever before.



Voiceitt inside

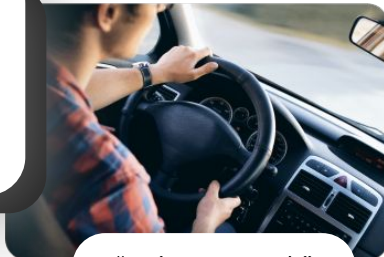
Unlock the use of voice-controlled products and communication for non-standard speakers utilizing Voiceitt technology



Giving users with atypical speech access to the world of smart industries

An orange car icon above the text "Smart automotive" in a white rounded rectangle.

Smart automotive



"Drive to work"

A yellow first aid kit icon above the text "Smart healthcare" in a white rounded rectangle.

Smart healthcare



"Raise my bed"

A teal house icon with a Wi-Fi symbol above the text "Smart home and smart assistants" in a white rounded rectangle.

Smart home and smart assistants



"Play jazz music"

Voiceitt is now available for pre-orders

opportunities to collaborate

TECH PARTNERSHIPS

TESTING

RESEARCH

DEVELOPMENT

GRANTS

COMMUNITY

INTEGRATION

WELLNESS PROGRAMS





connect with us

Partners

Sara A Smolley
Head of Partnerships
sara@voiceitt.com

Investors

Danny Weissberg
CEO
danny@voiceitt.com

Media

Miri Feldsharov
VP Marketing
miri@voiceitt.com



THANK YOU

voiceitt.com