Microsoft

Why AI?
Why Now?
AI in Government?

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Ioannis Koutrakos

What is AI

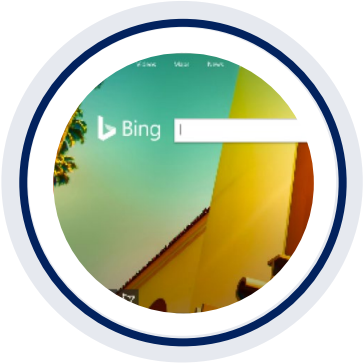
Technology that allows computers to perceive, learn, and reason to extend the capabilities of people and organizations

The power of AI & Machine Learning

Vision

Language

Speech



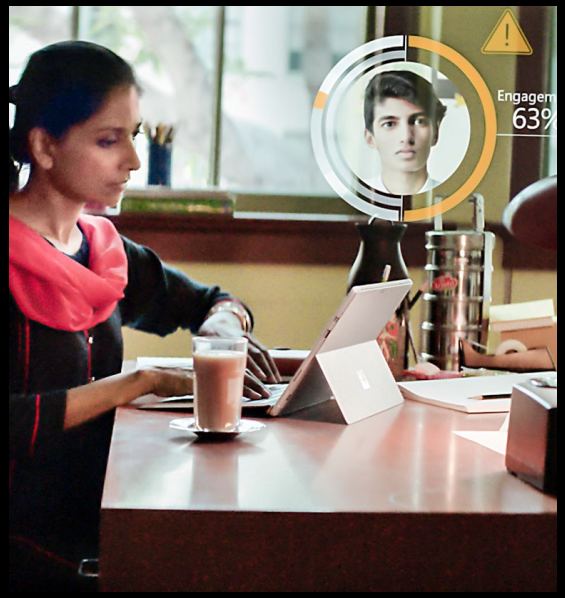
Search

Knowledge

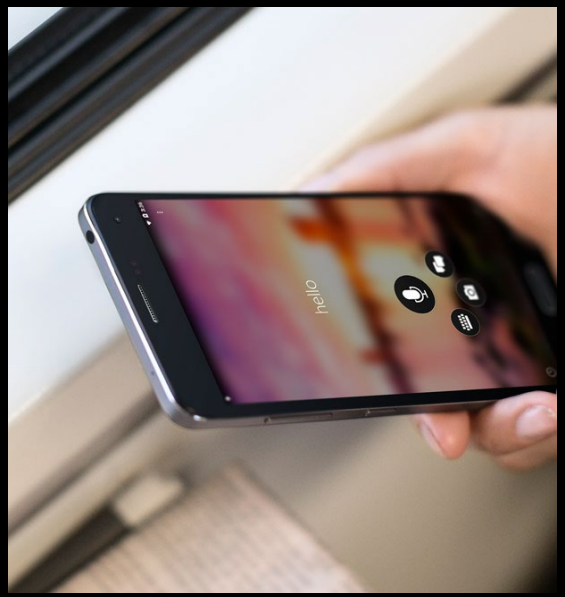
Why Now?

Data

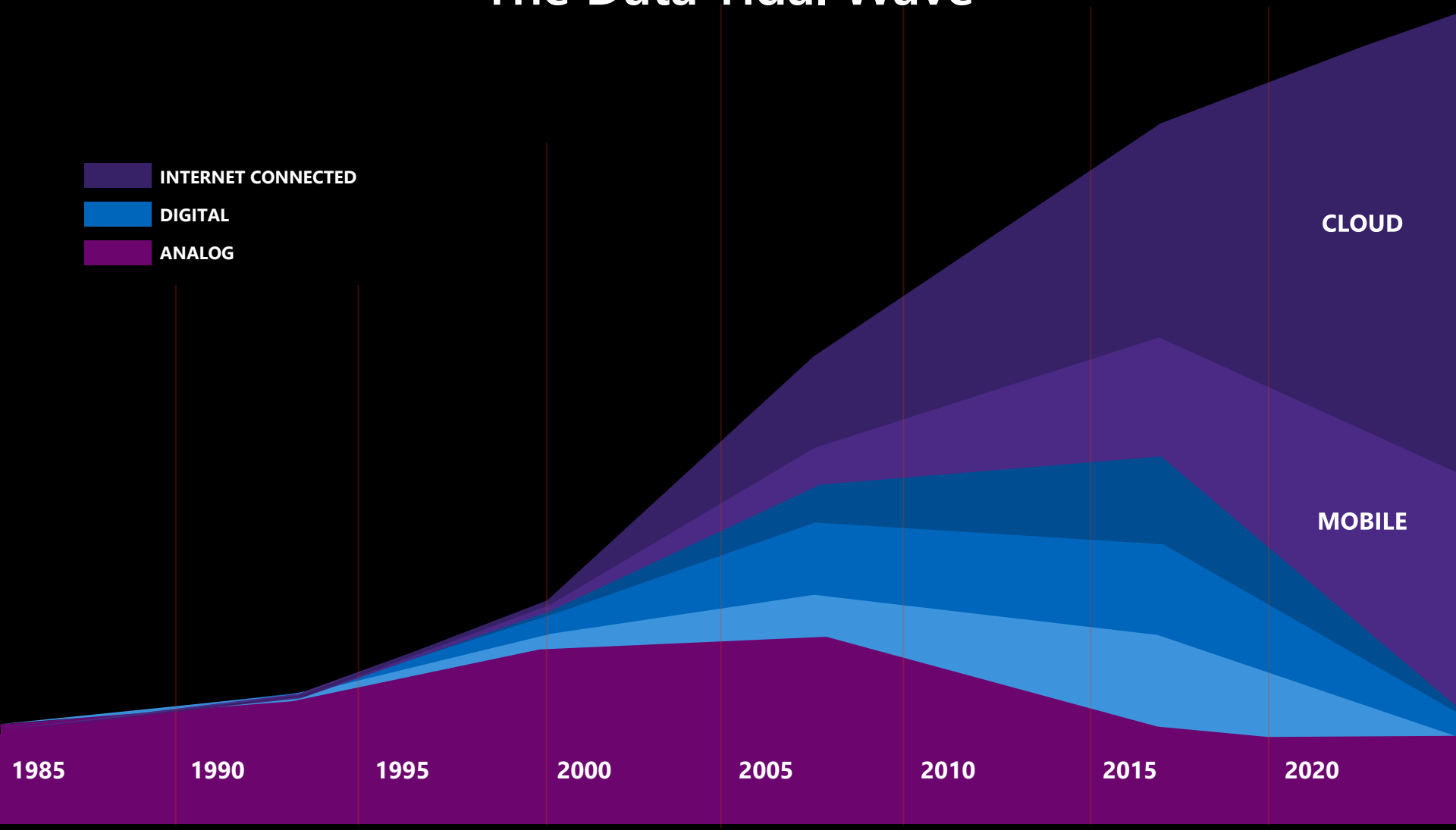
Cloud

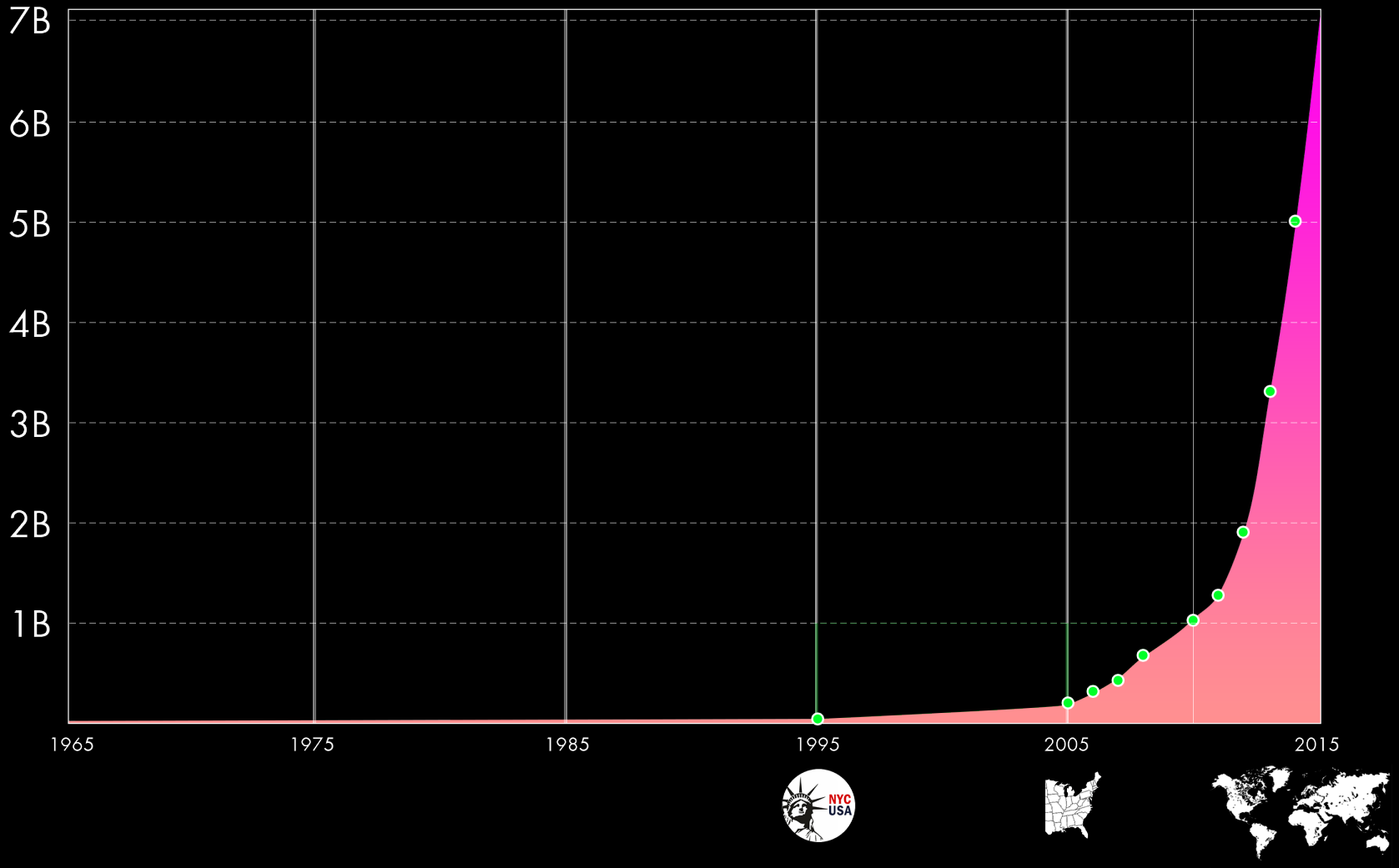


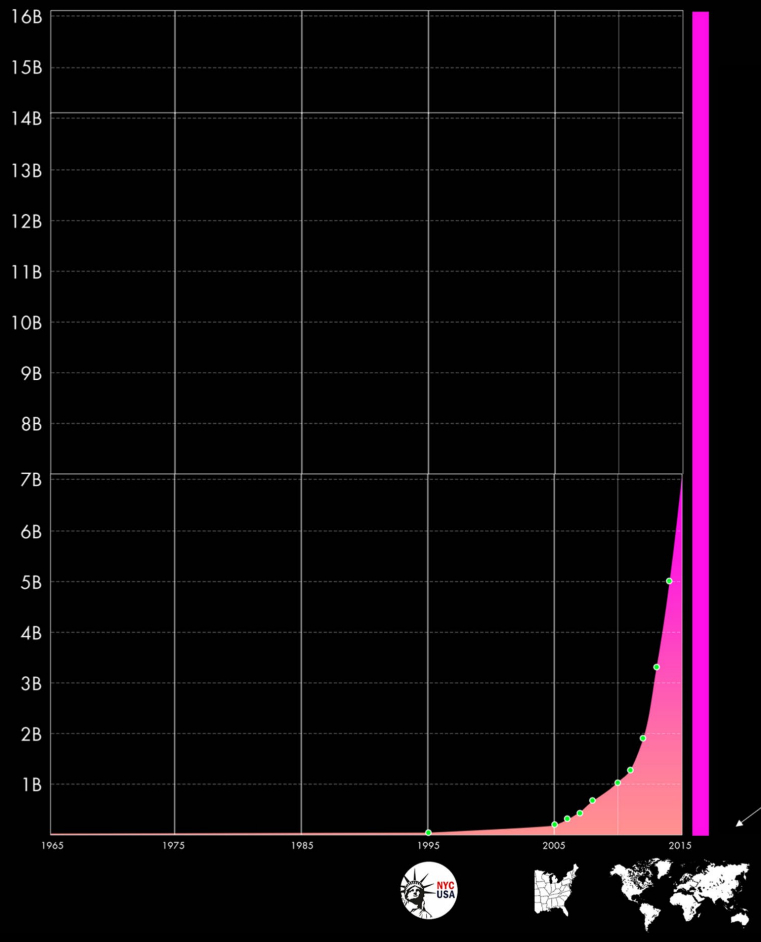
Algorithms



The Data Tidal Wave

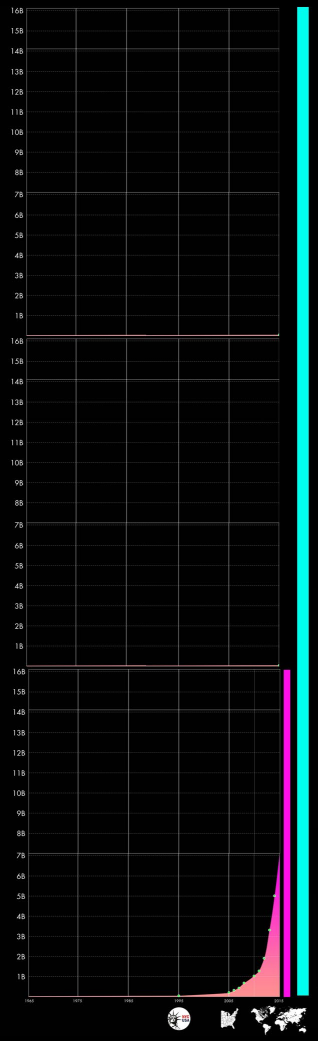



7B
6B
5B
4B
3B
2B
1B
1965
1975
1985
1995
2005
2015
NYC
USA



2x

2017
(update)



6x

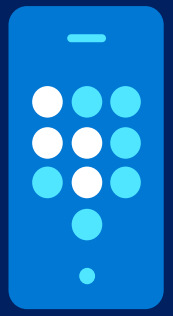
EVEREST FPGA 50,000,000,00

2019
(update)

2x

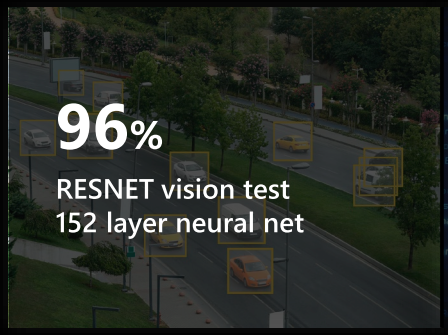
2017
(update)

Imagine…

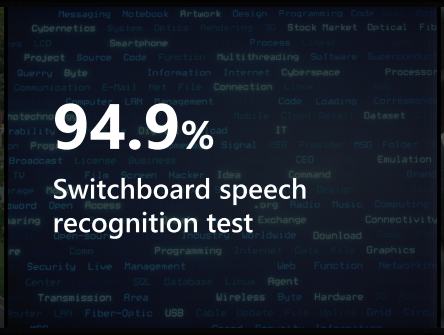


500 years between charges

Microsoft AI breakthroughs

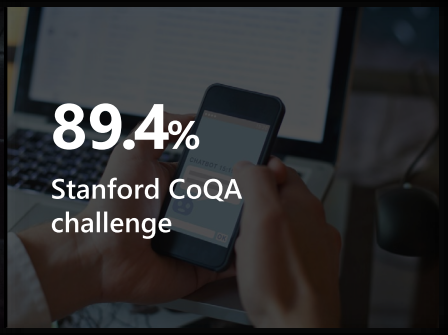


2016
Object recognition
human parity



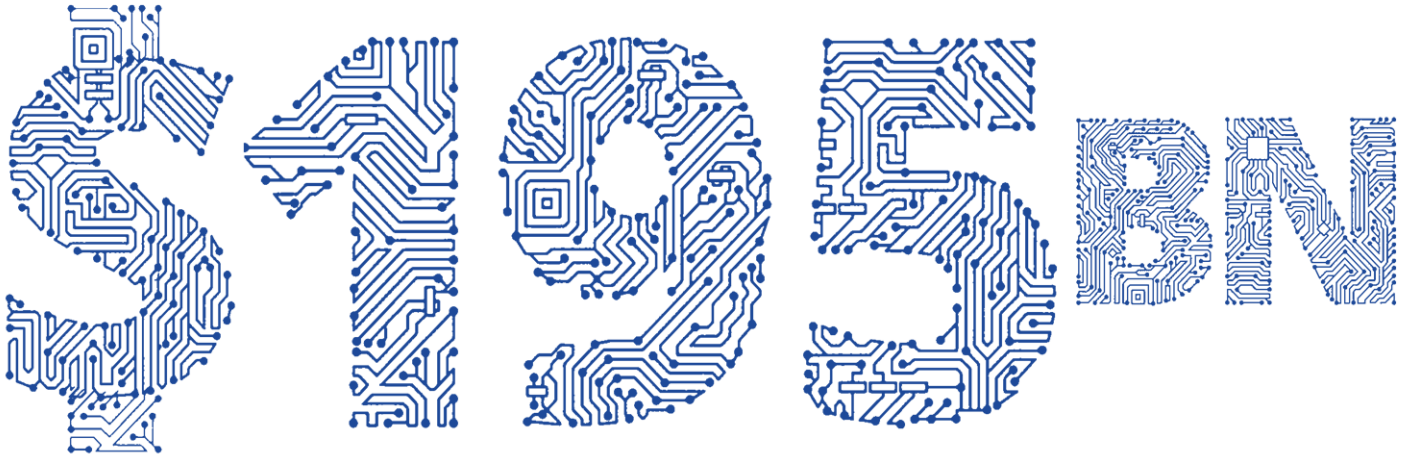
2017
Speech recognition
human parity

2018
Machine translation
human parity



April 2019
Conversational QnA
human parity

Impact on Greek Economy



Cumulative GDP Uplift due to AI impact over the next 15 years

Source: Accenture Analysis, Frontier Economics

Greeks get it

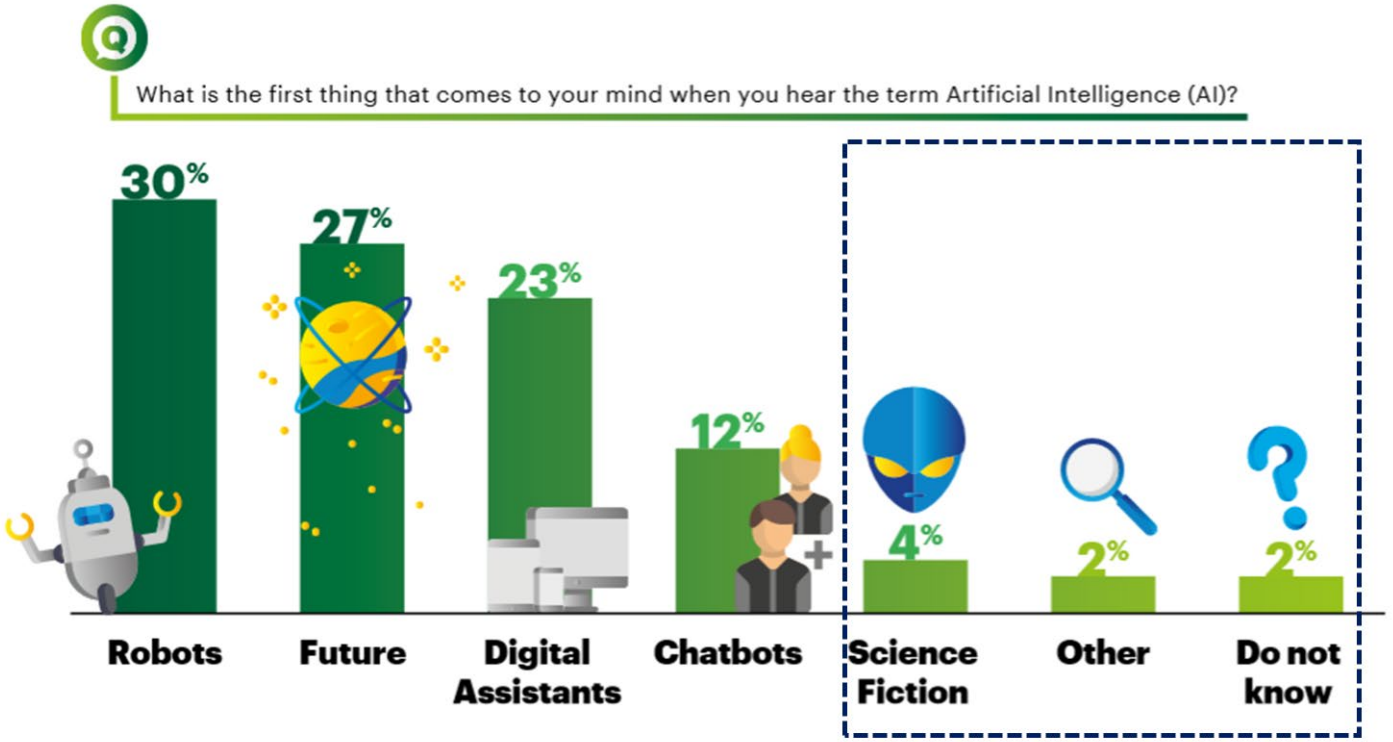
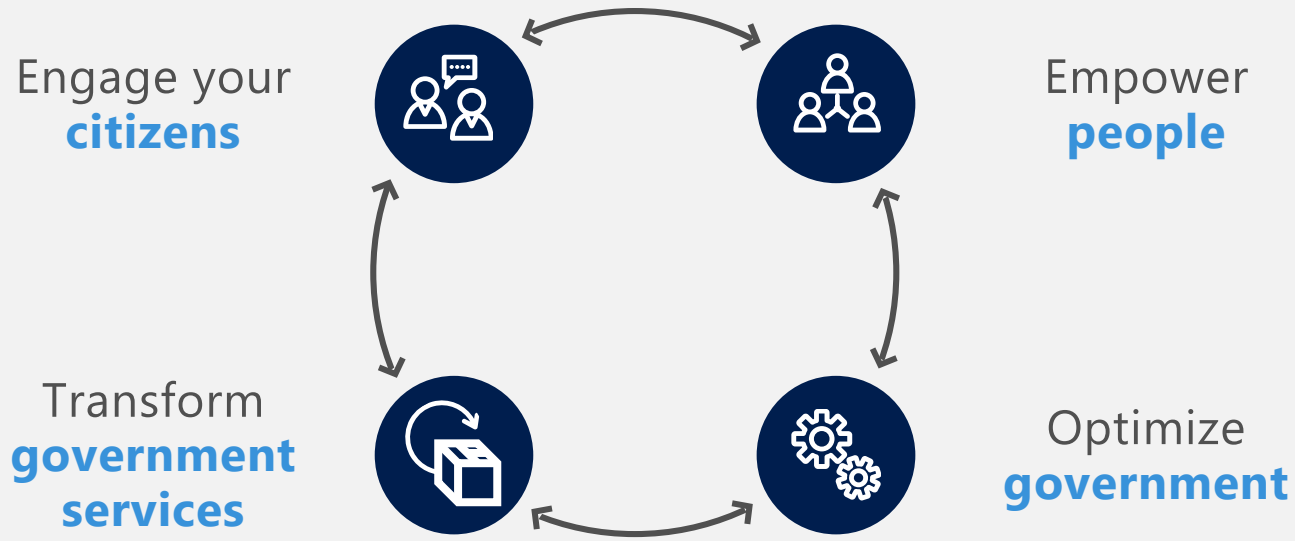


Figure 3.1. Greeks' perception of Artificial Intelligence, (%)

Source: Accenture Analysis, Frontier Economics

How AI can change Government



Engage your citizens

95% **Customer interactions**

powered by AI bots including telephone and online by 2025

ULTIMATE ACCESSIBILITY

Works anywhere text messaging works, on any device. No W-iFi signal or app downloads required.

A.I. CHATBOTS

Go beyond simple, predetermined responses, and take advantage of natural language processing and machine learning

LIVE CHAT WITH HUMANS

Chatbots perform best when they work side by side with human teams. Set expectations and ensure a seamless handoff.

DETECTION & TRANSLATION

Automatic language detection and translation into 100+ languages means you can be responsive to any audience, in any part of the world.

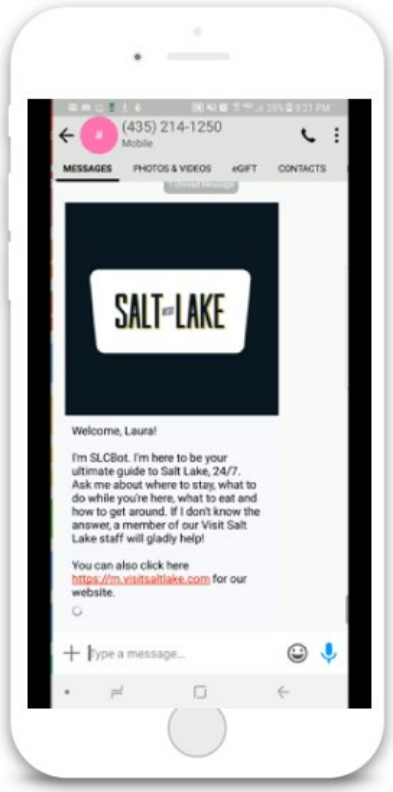
CONVERSATIONAL U.I.

Let people navigate complex documentation and resources in seconds, using natural language they control.

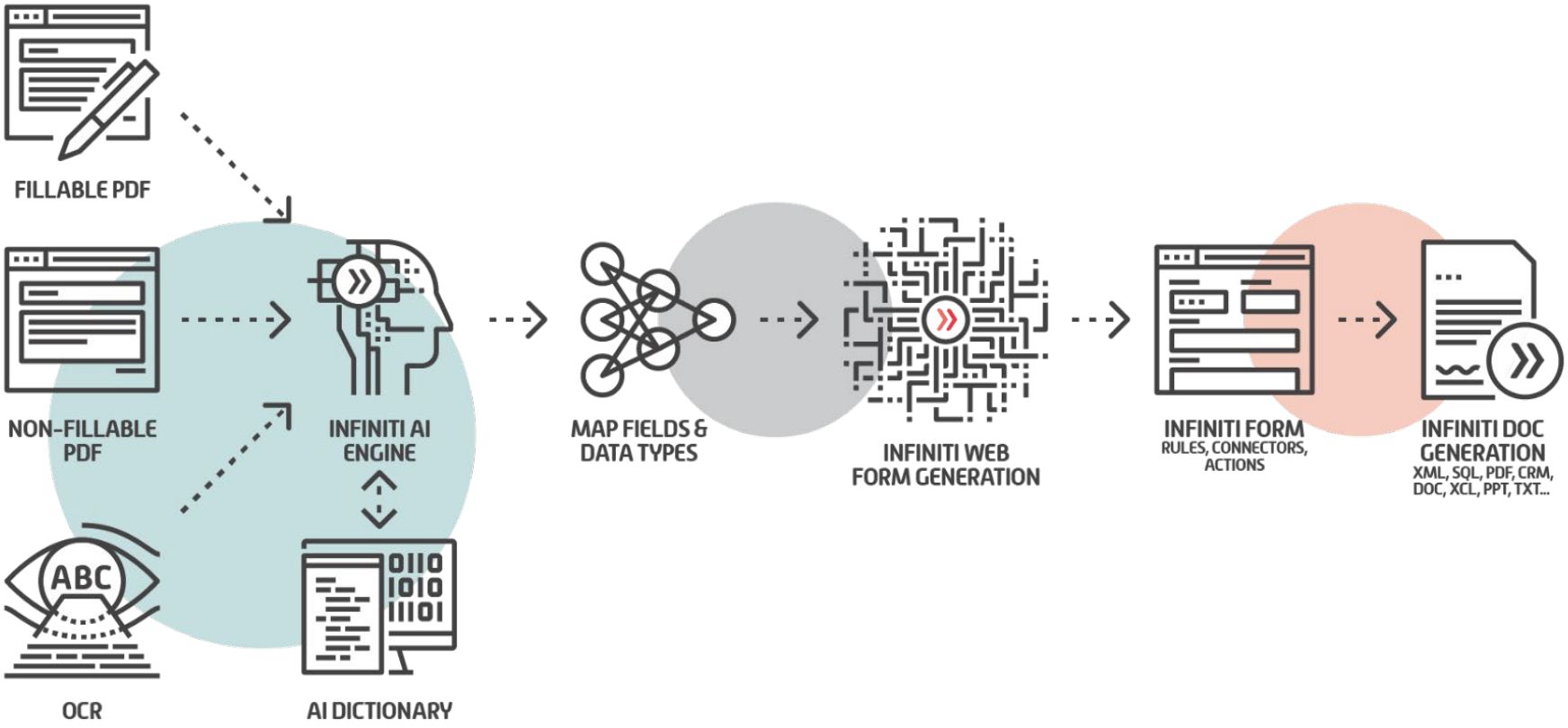
REAL-TIME ANALYTICS

Get immediate qualitative and quantitative feedback, track engagement, maintain a bilingual audit trail and see how you're doing, in real time.

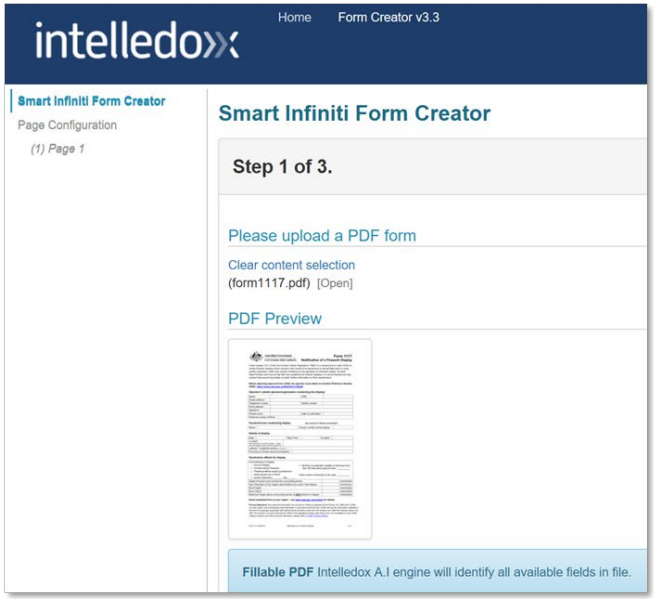
Engage your citizens



Optimize Government

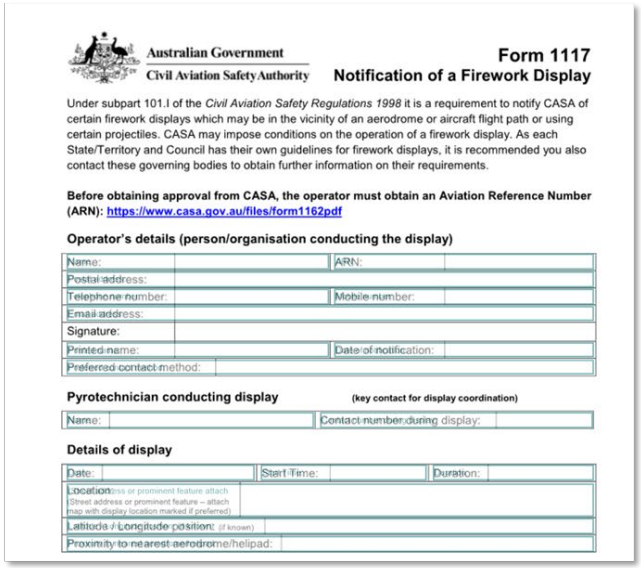


Optimize Government



The Infiniti wizard leads the user through a guided experience to convert an existing PDF into a smart form

The AI engine examines a PDF and uses pattern recognition to identify all the fields, names and types. This information is passed to an Infiniti wizard to auto-create a smart web form equivalent to the PDF.



Australian Government
Civil Aviation Safety Authority

Form 1117
Notification of a Firework Display

Under subpart 101.I of the *Civil Aviation Safety Regulations 1998* it is a requirement to notify CASA of certain firework displays which may be in the vicinity of an aerodrome or aircraft flight path or using certain projectiles. CASA may impose conditions on the operation of a firework display. As each State/Territory and Council has their own guidelines for firework displays, it is recommended you also contact these governing bodies to obtain further information on their requirements.

Before obtaining approval from CASA, the operator must obtain an Aviation Reference Number (ARN): https://www.casa.gov.au/files/form1162pdf

Operator's details (person/organisation conducting the display)

Name: | ARN:
Postal address:
Telephone number: | Mobile number:
Email address:
Signature:
Printed name: | Date of notification:
Preferred contact method:

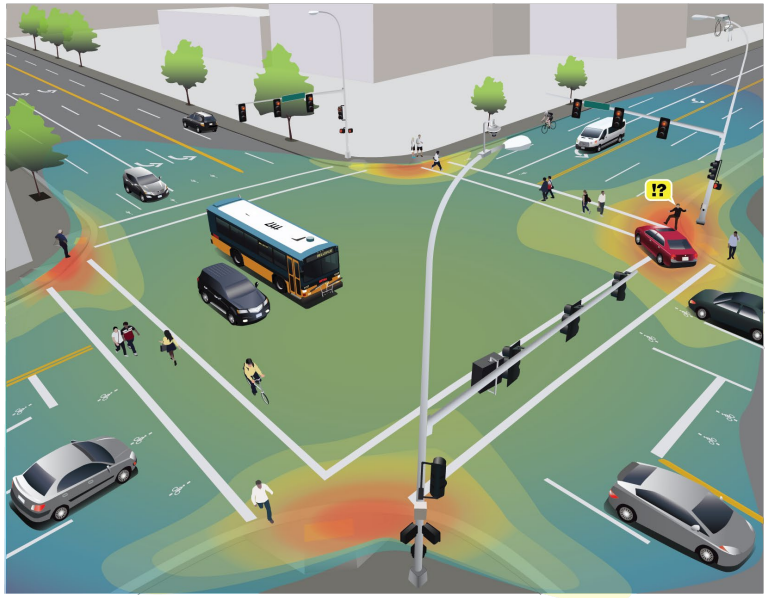
Pyrotechnician conducting display (key contact for display coordination)

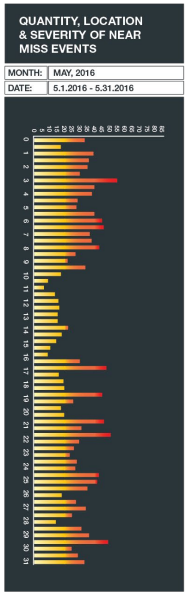
Name: | Contact number during display:

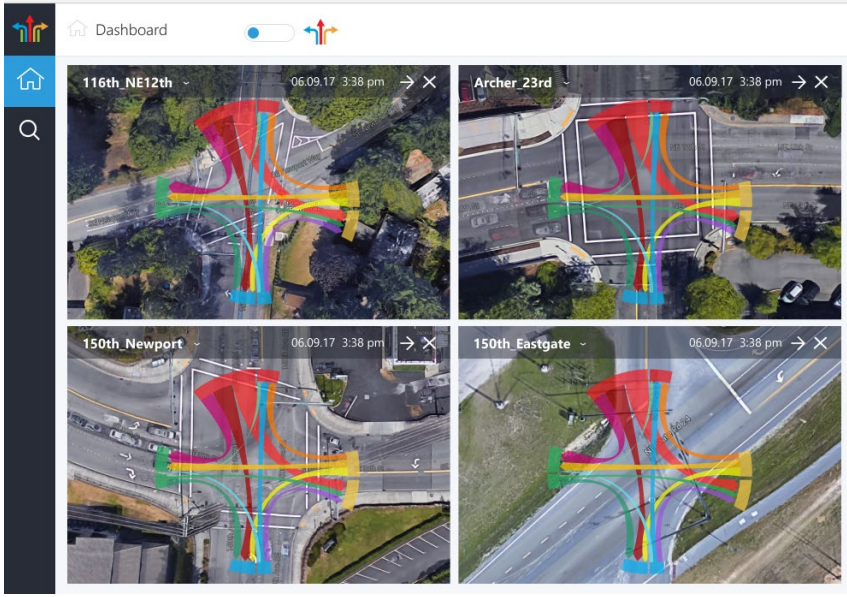
Details of display

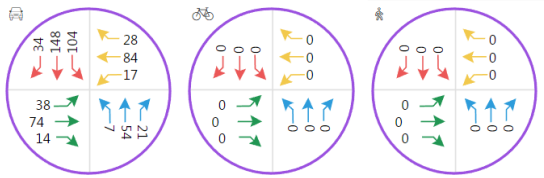
Date: | Start Time: | Duration:
Location (Street address or prominent feature – attach map with display location marked if preferred)
Latitude / Longitude position: (if known)
Proximity to nearest aerodrome/helipad:

Transform Government Services – Bellevue case study

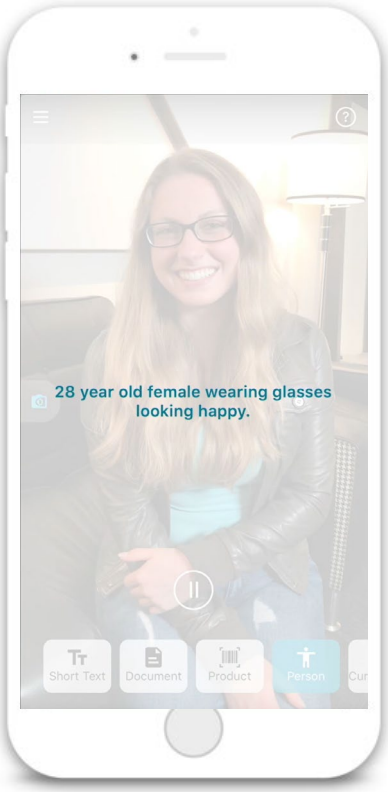








Empower people



- Describes the world around you
- Helped with over 10 million tasks
- Download for free on iOS
- www.SeeingAI.com

Microsoft

Thank you very much!

Don’t hesitate to reach out:

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