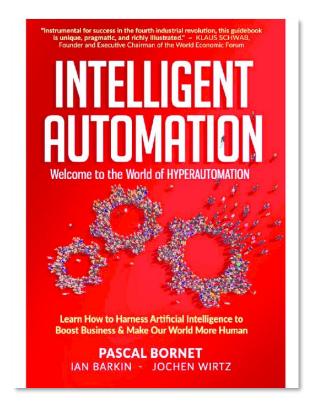
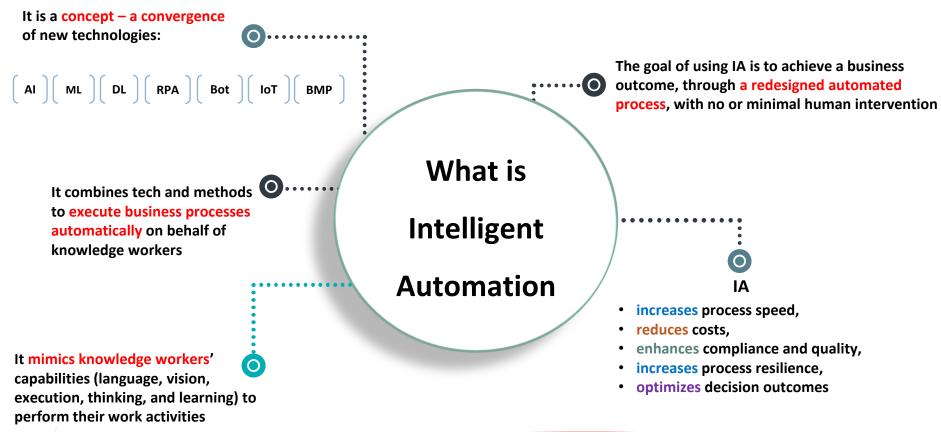


Recommendation:



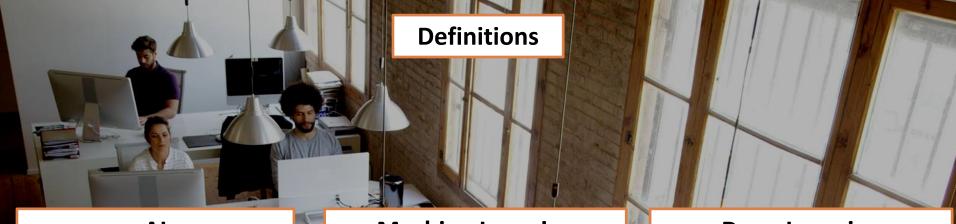








Ultimately, IA improves customer and employee satisfaction and boosts revenues



Αl

A combination of technologies able to reproduce human behavior and intelligence.

It includes the capacity to sense the environment, analyze it, and act on it.

Machine Learning

A subfield of AI. It enables computers to learn and improve on their own, from experience, without being explicitly programmed. ML has become the most used tech in IA

Deep Learning

A subfield of ML. DL enables ML to process complex data, that involves a large number of features and highly complex patterns, typically unstructured, such as pictures, movies, language

Digital Workforce

When using digital robots and programs to automate processes, companies create a digital workforce. As IA automates more and more processes, the size of the digital workforce grows

RPAs and Bots

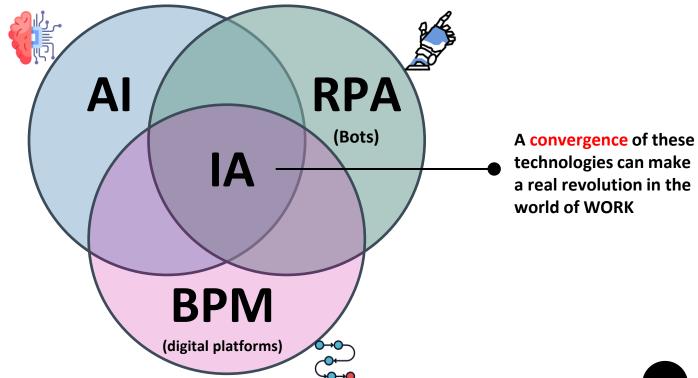
Software robots. A program in charge of automating a specific work, task, or process.

RPAs or chatbots

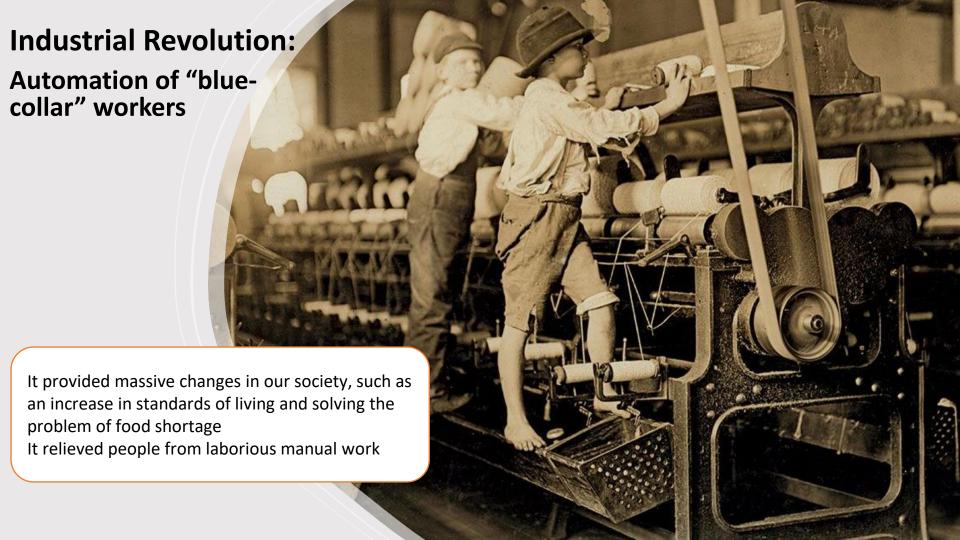
Automation

The action of SW program, which performs tasks, performed by human workers. By IA, which is all about knowledge work automation, we refer to SW-based automation

IA = AI + RPA + BPM







Algorithms for "white-collar" workers are the same as tractors for farmers

Automation in agriculture increased its productivity (the workforce declined from 44% in the 90s to 28% in 2017)



72% worried about robots and computers being able to perform human jobs

85% dissatisfied with their jobs (too tedious and repetitive)

Countries are facing growing debts and later retirement ages

The cost of human error and fraud is equivalent to the money allocated globally to education

Automation requires adaptation and workforce retraining—yet the result is a net gain in jobs

The largest increases in productivity don't come from replacing humans with machines, but rather from augmenting humans with machines **





From Task-driven Automation

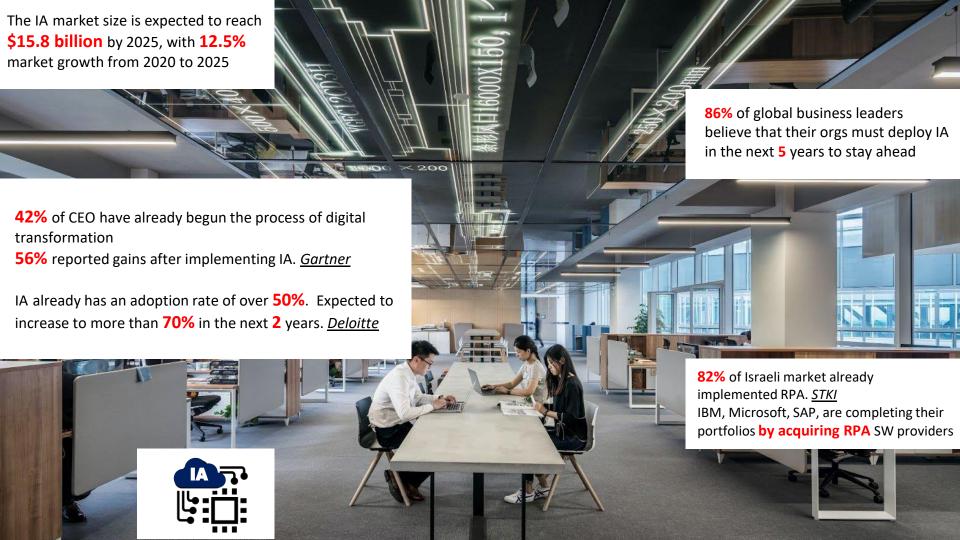
- Isolated technology (RPA v1) that provides solutions for specific tasks
- "Simple", rule-based automation, that helps resolve issues faster, reduce routine, and repetitive tasks



To Context-driven Automation

- Converged technologies with substantial synergies
- Automation that understands the context. It goes beyond passive observations and not only responds to events but also analyzes and interprets the context to deliver precise and proactive actions





Rapid Changes in the Business Environment are making it more difficult for orgs to stay relevant and competitive

1. The highest profit per employee

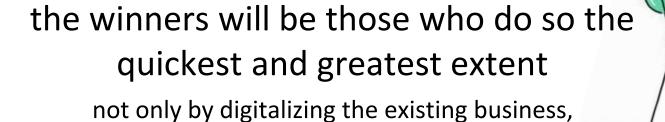
of the largest 500 Fortune companies

Ranking	Company name	Profit (million USD)	Number of employees	Profit per employee (USD)
1	Facebook	\$18,485	44,942	\$411,308
2	Apple	\$55,256	137,000	\$403,328
3	Alphabet (Google)	\$34,343	118,899	\$288,842
4	Microsoft	\$39,240	144,000	\$272,500
5	AbbVie	\$7,882	30,000	\$262,733

Source: adapted from Tipalti

Modern organizations require less and less employees; they are more and more automated, and they are less labor-intensive than older companies





but by creating a completely **new business model**,

which was not possible before



IA in Employee Experience

Work activitie	s considered tedious *	
Average percentage of time spent by employees	% Time Current	
Individual thinking, research, admin time	42%	
* Administrative tasks	16%	
Productive thinking time	10%	
Productive time doing work - non-routine	8%	:
* Productive time doing work – routine	8%	
Collaboration – internal & external	49%	
* Unproductive messages – reading / writing	14%	
* Unproductive meetings	12%	
Productive collaboration (e.g. meetings, workshops)	9%	
Productive emails	9%	
Socializing	5%	
Others / non-work / social media / interruptions	9%	
Total	100%	

Automate, Augment and Abandone

s a useful framework to help orgs build their action plans to boost their EX, by moving it towards its ideal state,

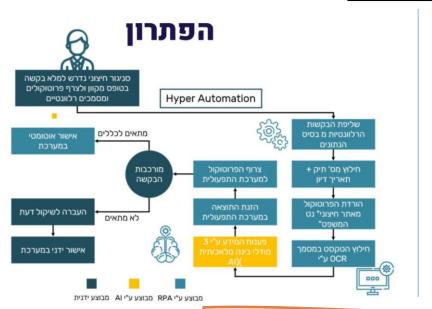
IA is a key enabler to all of them

Source: Bornet, Pascal; Barkin, Ian; Wirtz, Jochen. INTELLIGENT AUTOMATION



במשרד המשפטים 2023 Hyperautomation

@ UIPath, HMS





<u>תועלות לארגון:</u>

זמן טיפול ממוצע בבקשה

כ-30 ימים

- ייעול השירות לאזרח תשלום מהיר עבור עבודה שבוצעה
- חסכון בשעות עבודה חסכון של מעל 20,000 שעות עבודה בשנה
 - סטנדרטיזציה ארגונית וצמצום תלות בהכרעות ידניות
 - צמצום טעיות אנוש טעיות הקלדה
 - שביעות רצון גבוהה בצד האזרחים והעובדים.



היקף הסכום המאושר באמצעות

חישוב ידני כ-150 מיליון שקל

IA in Customer Experience



Customer Service Automation - typically faster, cheaper, more seamless, and easier because it is accessible everywhere and user-friendly

"How likely is it that you would recommend this brand to a friend?" (NPS up to 100)

Starbucks (77)

Airbnb (74)

Apple (63)

Amazon (62)

Zoom, Tesla

Metro Bank

Exceptional CX:

- Responsiveness and Omnichannel (chatbots, self-service 24x7)
- 30-50% of customer interactions are closed live without the involvement of a human representative

Poor service can cause up to 66% of consumers to stop doing business with one brand and switch to another.

SuperOffice. PRODUCTS INDUSTRY CONSULTING PRI

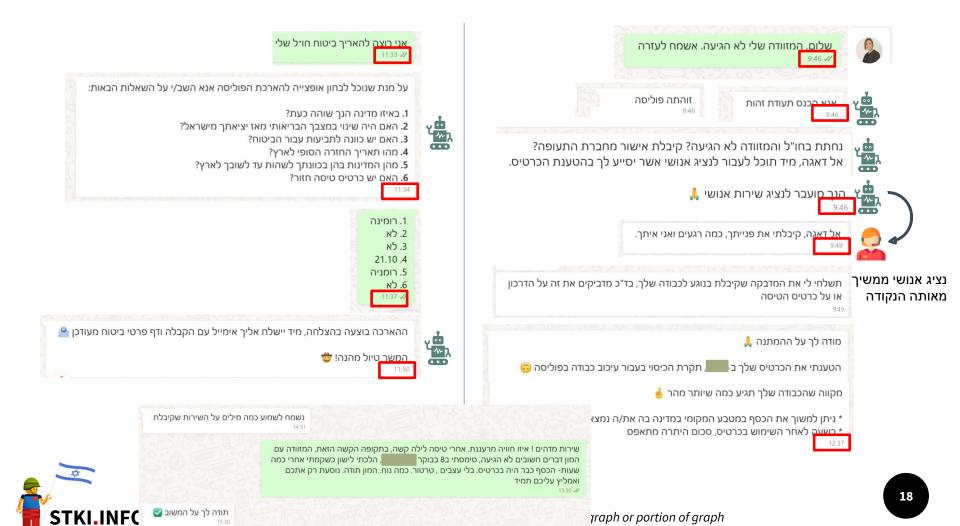
CUSTOMER SERVICE

STUDY: 62% OF COMPANIES IGNORE CUSTOMER SERVICE EMAILS

Last updated: 16 March, 2023

https://www.superoffice.com/blog/customer -service-benchmark-report/





Avoiding millions of losses due to fraud and errors per year





Fraud



Human Errors

estimated at \$5 trillion globally

The amount of money lost to fraud has **doubled** in the last 10 years

Medical errors in the US are estimated at \$1 trillion

86% of those errors are administrative



IA makes transaction processes more efficient - generates log files for every action, creating transparency and ease of compliance

ML recognizes predictive patterns and trends

How IA automates knowledge workers? By mimicking 4 main human capabilities:



analyzing, creating insight, predicting, making decisions, and adjusting







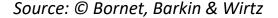
viewing the environment, recognizing objects and signs



typing, clicking, filling in forms, and authenticating



using language to read, speak, write, and interact





IA tech explained



Big Data mng Machine Learning Data Visualization



Intelligent chatbots Unstructured information mng Sentiment Analysis **Speech Analytics**

Foundation to the successful implementation of IA







Optical Character Recognition (OCR) Intelligent Character Recognition (ICR) Image and video analysis **Biometrics**

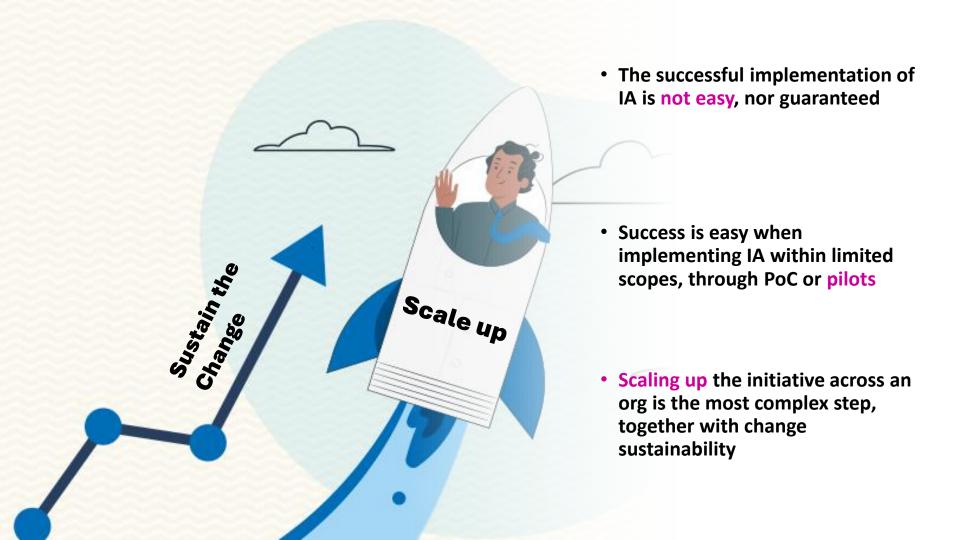


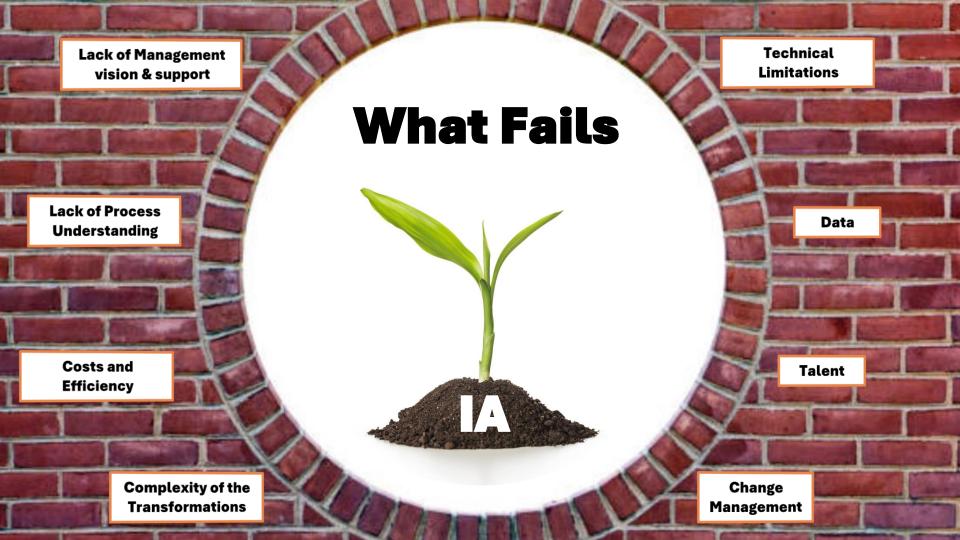
Low-code and smart workflow platforms Robotic Process Automation (RPA)



Top Management Support, Enterprise-level Vision, Governance, Automation Center of Excellence, Process Redesign, Vendor and Partner Selection, DATA mng, Change mng, Talent mng

Source: © Bornet, Barkin & Wirtz





How to Succeed in IA





"IA is a business transformation, transformation, not a tech project"







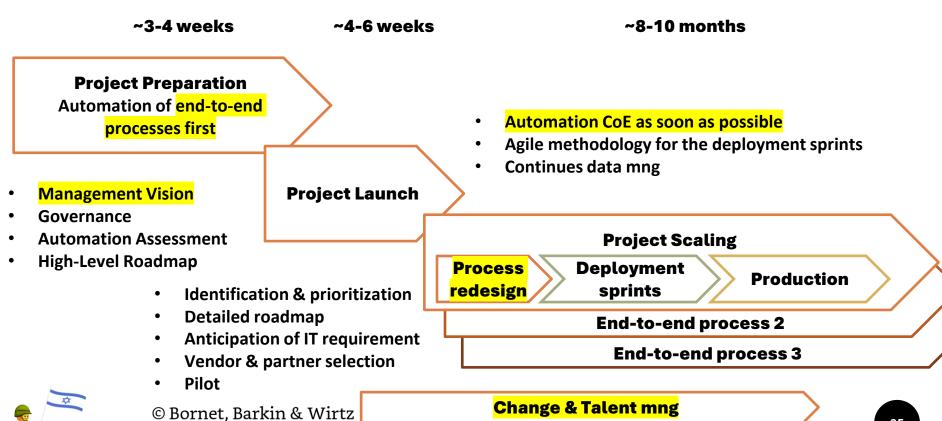




Change Management Educate and clarify



Recommended IA Implementation Roadmap



The Importance of End-to-end Process Automation

When the washing machine and dryer are done and it's your turn



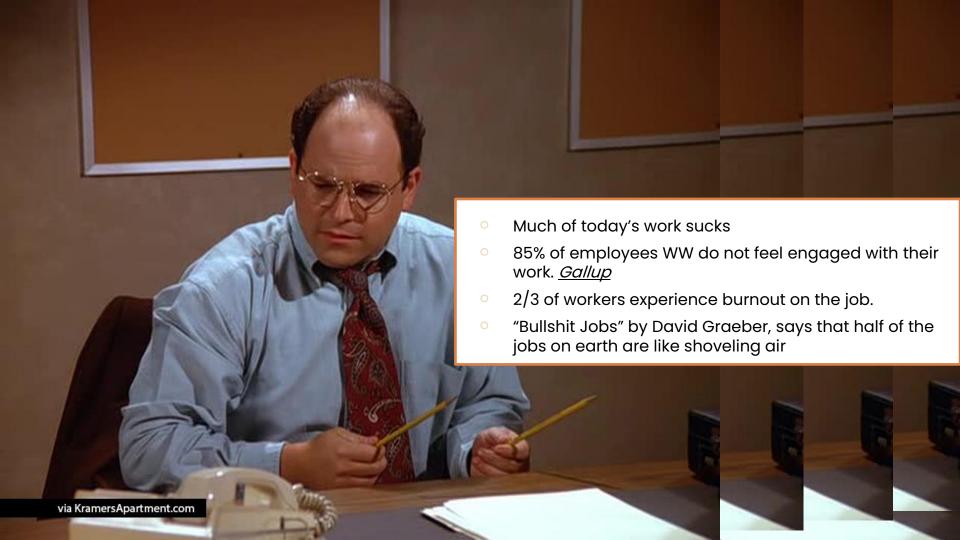
More than 50% of the potential transformation value comes from the top 10-20 end-to-end processes



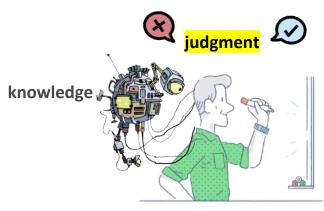


The largest increases in productivity don't come from replacing humans with machines, but rather from augmenting humans with machines

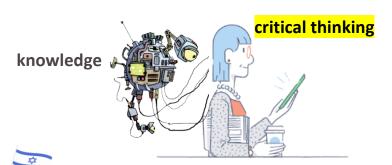


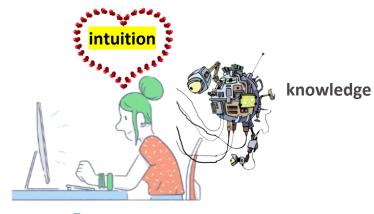


From "knowledge workers" to "insight workers"



Managers





Executors



knowledge





Cooperation between Human Experts and IA



Al-generated art piece takes the first at the state fair

Ora Reuven, Israeli artist:

"There is a process of co-creation that goes back and forth, sometimes it feels like I "steal" my ideas from AI"



Kai is an empathic AI for optimized therapy and coaching

Alex Frenkel, CEO & Co-Founder, Kai: "Kai incorporating the expert knowledge base of a specific professional"

Our national strength has always been our entrepreneurship, innovation, and creativity

I believe that these capabilities combined with Intelligent Automation will be an essential part of our national recovery



Thank you!

Parts of this presentation were written by human



Galit Fein EVP & Senior Analyst @ STKI



Era of Convergence

9:45-10:30 Dr. Jimmy Schwarzkopf

2 Intelligent Automation

10:30-11:00 Galit Fein



11:00-11:30 Break

GenAl's impact on D&A

11:30-12:10 Einat Shimoni



12:10-12:50 Pini Cohen & Einat Shimoni

Al's impact on Dev, Infra, Cyber

12:50-13:20 Pini Cohen



Lunch

13:20-14:20 Break

Organization 2024

14:20-15:00 Galit Fein

Al-powered
Knowledge Worker

15:00-15:30 Einat Shimoni

