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Welcome to SBF Global's

How Big Data and Cloud are Transforming Enterprises and Economies – Talent and Opportunities in Ukraine

15 November 2021, Monday | 3.00 – 4.30 pm (SG-time)

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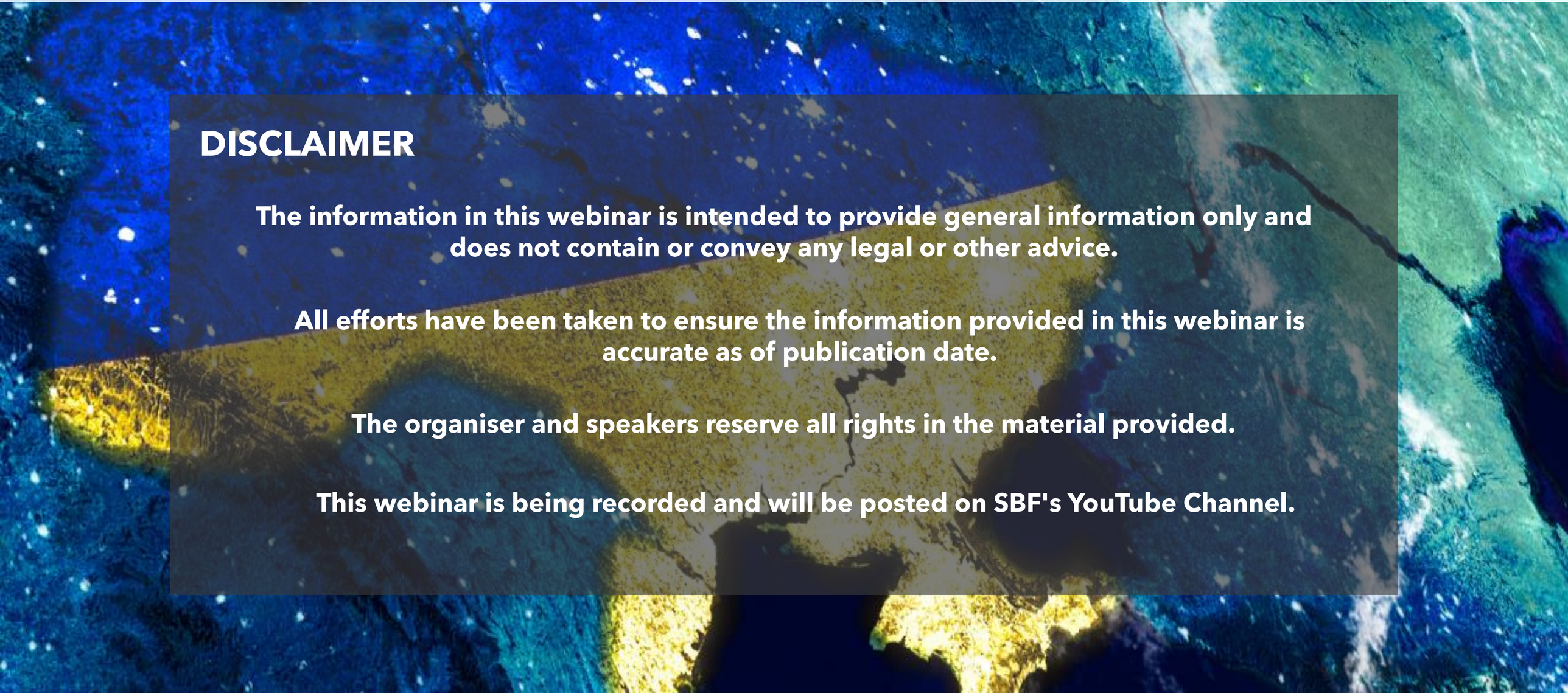

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Have a question? Type your questions into the Question & Answer Panel and we will read it out later or contact you after the webinar

Learn with us

- About markets
- About new customers
- About Free Trade Agreements

Because knowledge is power.

Land with us

- Dedicated digital spaces
- Established networks
- Hands-on advice and facilitation

Scale and grow *smartly*.

Localise with us

- Trusted relationships abroad
- Deepen market presence
- Secure long-term sustainability

Because network is net worth.

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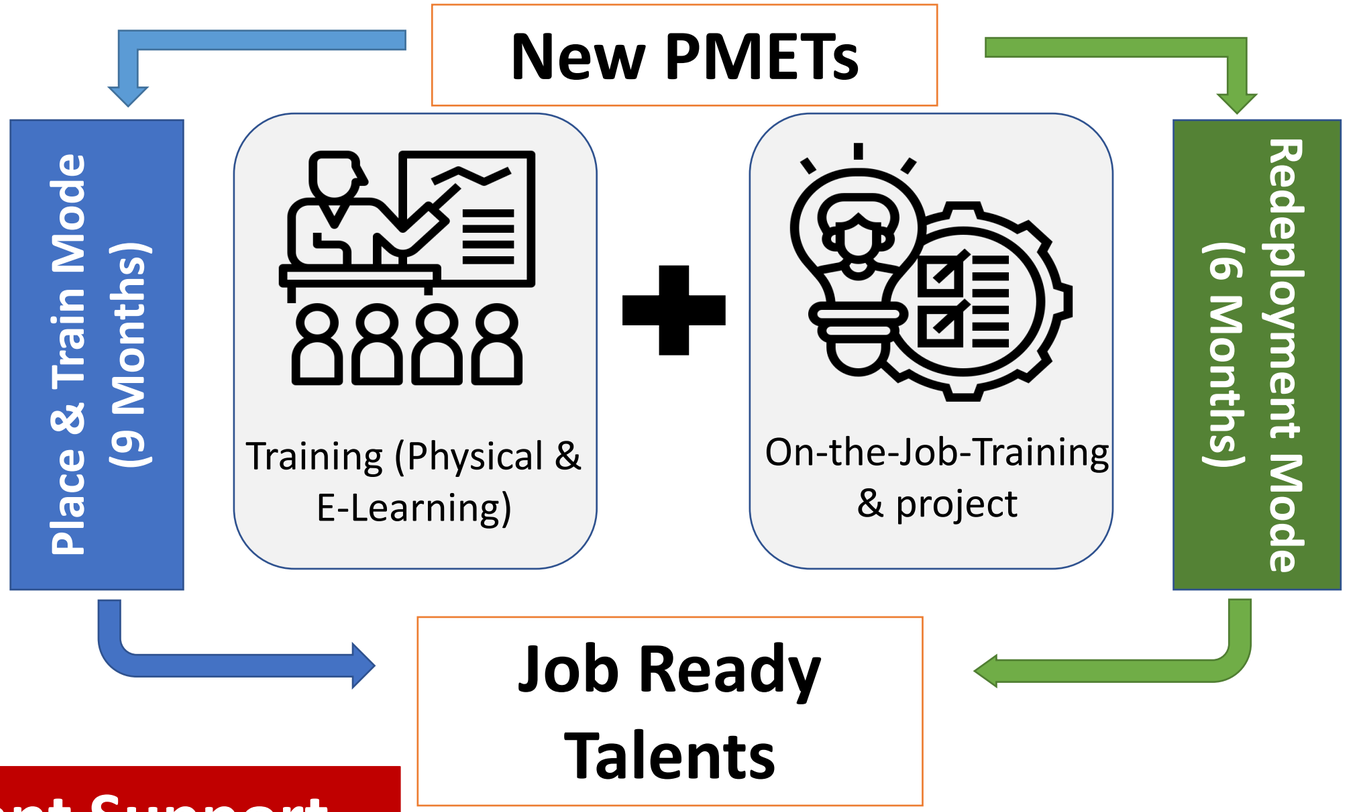
Helping Companies Build Internationalisation Capabilities

Career Conversion Programme: Internationalisation Professionals (CCP-I)



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PROGRAMME LINE UP

3.00 – 3.10 pm	**Welcome remarks by Singapore Business Federation** Mr. Prasoon Mukherjee, Chairman Universal Success Enterprises, GlobalConnect@SBF Committee Member
3.10 – 3.15pm	**Opening Remarks** H.E. Kateryna Zelenko, Ambassador of Ukraine to Singapore
3.15 – 3.25 pm	**Ukraine IT industry presentation** Ms. Natalia Mitrofanova, Vice President on International Cooperation, IT Ukraine Association
3.25 – 3.35 pm	**“Intelligence Era: Future of AI”** Dr Anton Ravindran, Fellow and Cloud Computing Chapter President, Singapore Computer Society
3.35 – 4.25 pm	**Panel Discussion on How Big Data and Cloud are Transforming Enterprises and Economies - Talent and Opportunities in Ukraine**
4.25 – 4.30 pm	**Close**

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Welcome Remarks

Prasoon Mukherjee
Chairman Universal Success Enterprises
GlobalConnect@SBF Committee Member

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Opening Remarks by Embassy of Ukraine

H.E. Mdm. Kateryna Zelenko

Ambassador of Ukraine in Singapore

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Ukraine IT industry presentation

Ms. Natalia Mitrofanova

Vice President on International Cooperation

IT Ukraine Association

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PEI

Ministry of Foreign Affairs of Ukraine

Ukrainian Tech industry: IT Export Boost

Joint Project of the IT Ukraine Association and the Exporters and Investors Council under the Ministry of Foreign Affairs of Ukraine

Why Ukraine?

212 000+
IT specialists

20,4%
growth rate of the Ukrainian IT // 2020

$5B
IT Export // 2020

4000+
tech companies

1600+
IT service companies

IT Export Boost: What we offer

No matter the industry, we of er IT Solutions and Services for any task according to the client's demand.

Cybersecurity

Fintech

Health

Business Automation

Science

Manufacturing

Aerospace

Government

Real Estate

eCommerce

Engineering

Innovation

Agritech

Education

Energy, Oil & Gas

Mining

Design

Fashion

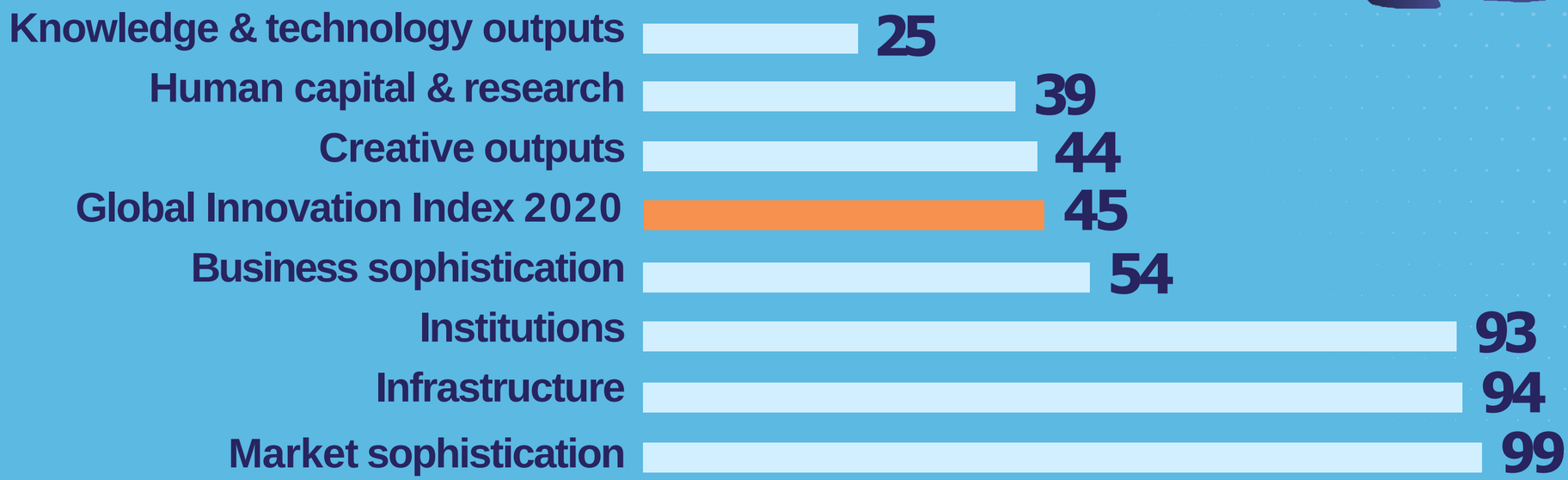
Automotive

All the IT-companies entering the EU market are GDPR compliant.

Overview of Ukraine rankings in the seven GII areas

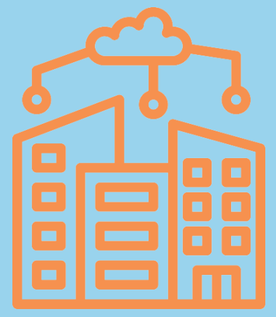
Ukraine performs best in Knowledge & Technology outputs

**The highest possible ranking in each pillar is 1*

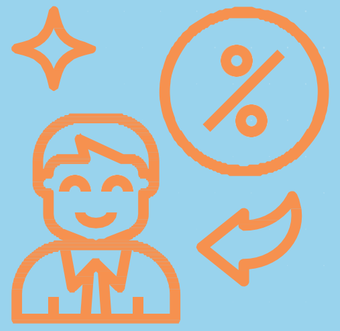


Global companies that have R&D oKces in Ukraine

Why Ukraine



Tech Power Hub



Favorable Taxation*

Cost-effectiveness

Rich Talent Pool

Cultural similarity

English fluency

5% personal income tax for Tech entrepreneurs compared to 30-45% in the EU and USA.

5 steps to open an R&D center in Ukraine

1. Market Research
2. Legal structure Definition
3. Employer Branding
4. Talents engagement
5. Back office support organization

Ukrainian Tech Industry in Global Ratings

Expertise recognition

Top 20 offshoring destinations in the EMEA region by Gartner 2021

#1

Digital, technology, and IT outsourcing destination in Central & Eastern Europe by Outsourcing Journal

#1

Offshore Destination in Eastern Europe by the Tholons Services Globalization Index 2020

#5

Top 25 IT services exporters by PwC 2021

#4

2019 Skillvalue report Best in Europe

#5

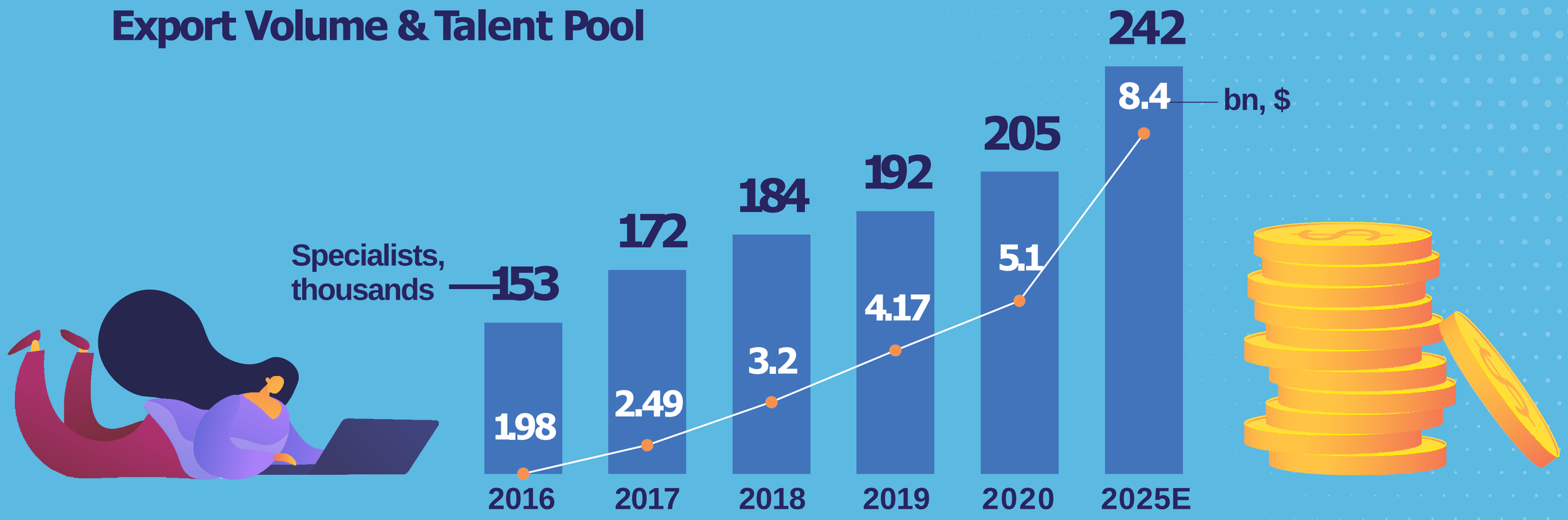
2019 Skillvalue report Best in the World

#4

In International Math olympiad

Potential of the Ukrainian Tech industry

Ukraine's Tech Services Market Growth: Export Volume & Talent Pool



Human capital and Talent pool

Population:

43,7M

Capital city, population:

Kyiv, 2.99M

212 000+

Tech Specialists

(second-largest developer population in Eastern Europe)

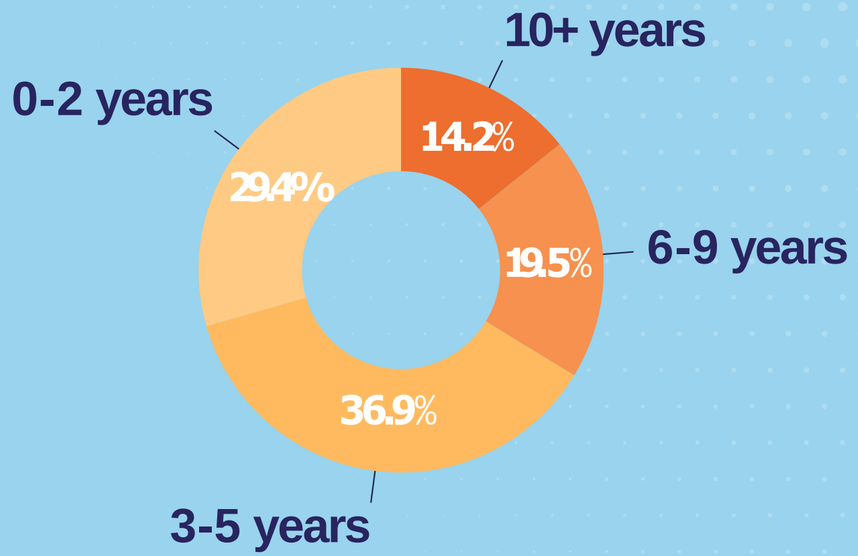
30 000

Annual Tech Graduates

Nominal GDP \ GDP per capita:

USD 153.78B \ USD 3,224

Ukrainian developers by experience

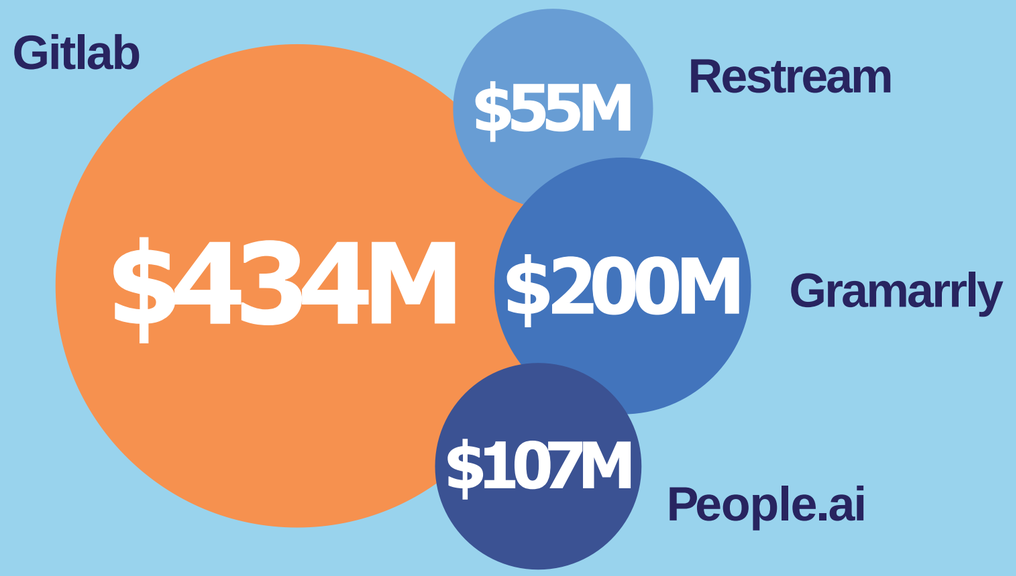


About 85% of tech professionals have at least an intermediate English proficiency level.

More than 100 companies from the Fortune 500 list are clients of Ukrainian IT firms. Some of them are the following:

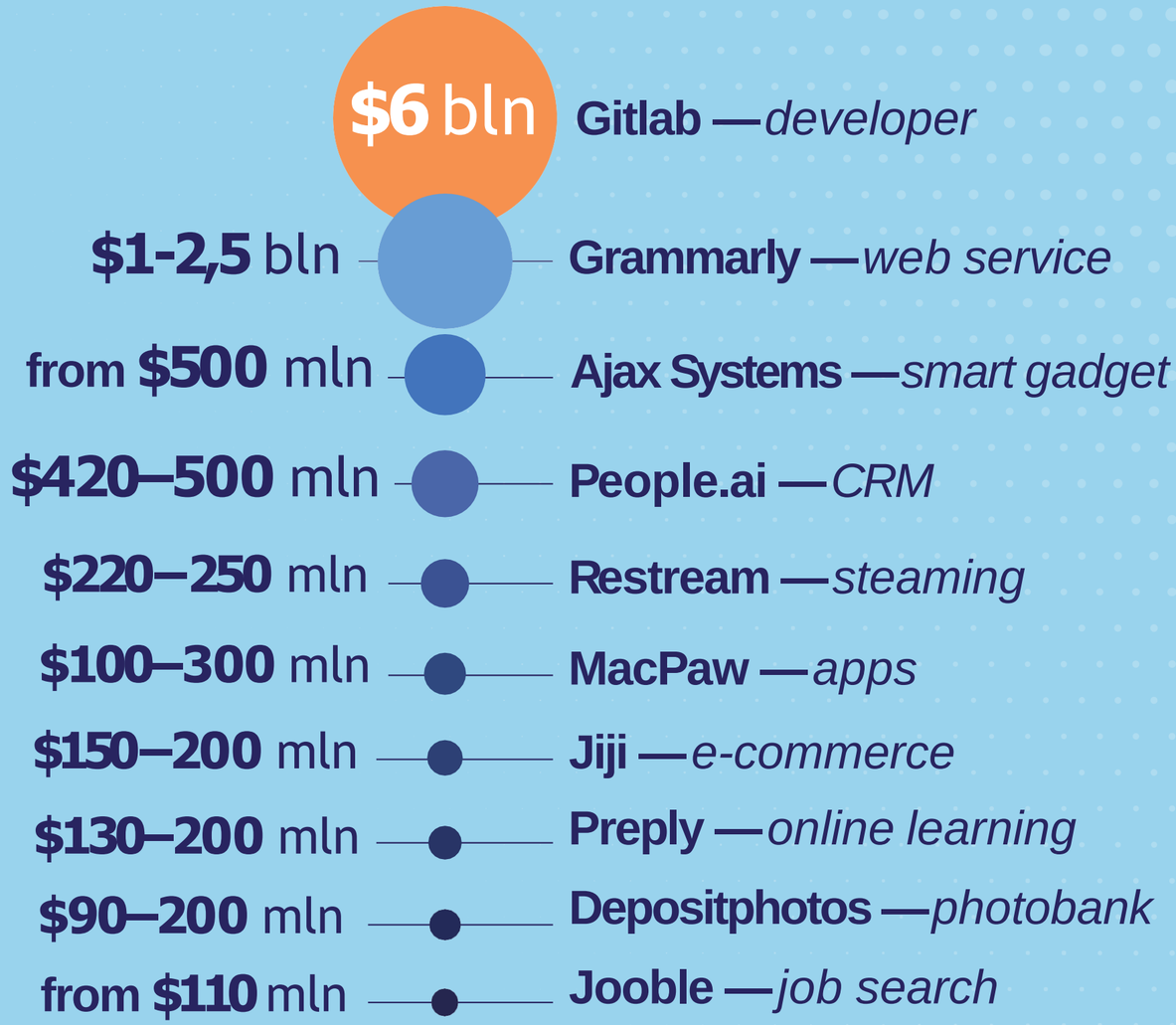
Successful Ukrainian Startups

By the amount of investment



Hitachi is acquiring software developer and digital product engineering specialist GlobalLogic Inc. for $9.6 billion. The deal seeks to further strengthen Hitachi's digital solutions, services and data business.

By the estimated value of the company



IT Ukraine Association

We represent the interests of 65+ thousand IT professionals

GR

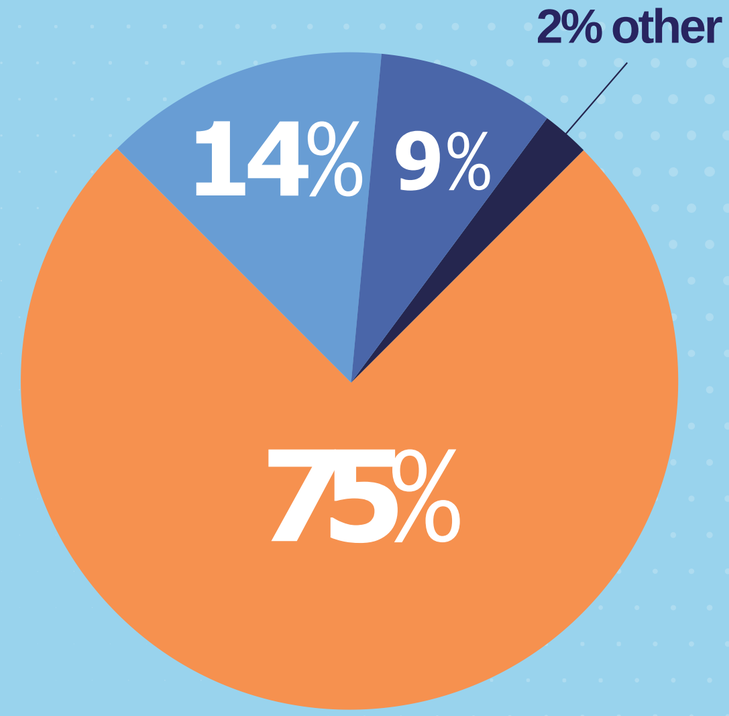
IR

CSR

PR

Education

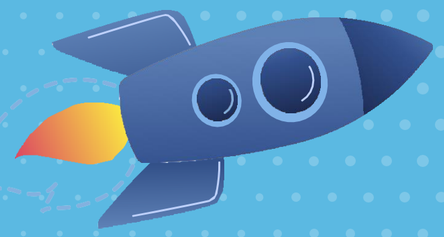
Our member companies



Ukrainian IT clusters

IT Ukraine Association and the Ministry of Foreign Af airs of Ukraine joint project:

IT Export Boost



Participants:

Austria

Canada

Denmark

Estonia

Finland

France

Germany

Great Britain

India

Israel

Netherlands

Norway

Portugal

Singapore

South Korea

Spain

Sweden

Switzerland

UAE

USA

Uzbekistan

Cooperation with the Ministry of Foreign Aflairs within the framework of IT Export Boost project will become a channel for Ukrainian IT companies to enter client markets in those countries.

IT Ukraine Association

PEI

MFA UA

Thank you!

Natalia Mitrofanova
Vice President on International cooperation
mitrofanova@itukraine.org.ua

Olha Sytnychenko
IT Export Boost Project Manager
sytnychenko@itukraine.org.ua

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"Intelligence Era: Future of AI"

Dr Anton Ravindran
Fellow and Cloud Computing Chapter
President Singapore Computer Society

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Intelligence Era: Future of AI

by

Dr Anton Ravindran

“ARTIFICIAL INTELLIGENCE WOULD TAKE OFF ON ITS OWN AND

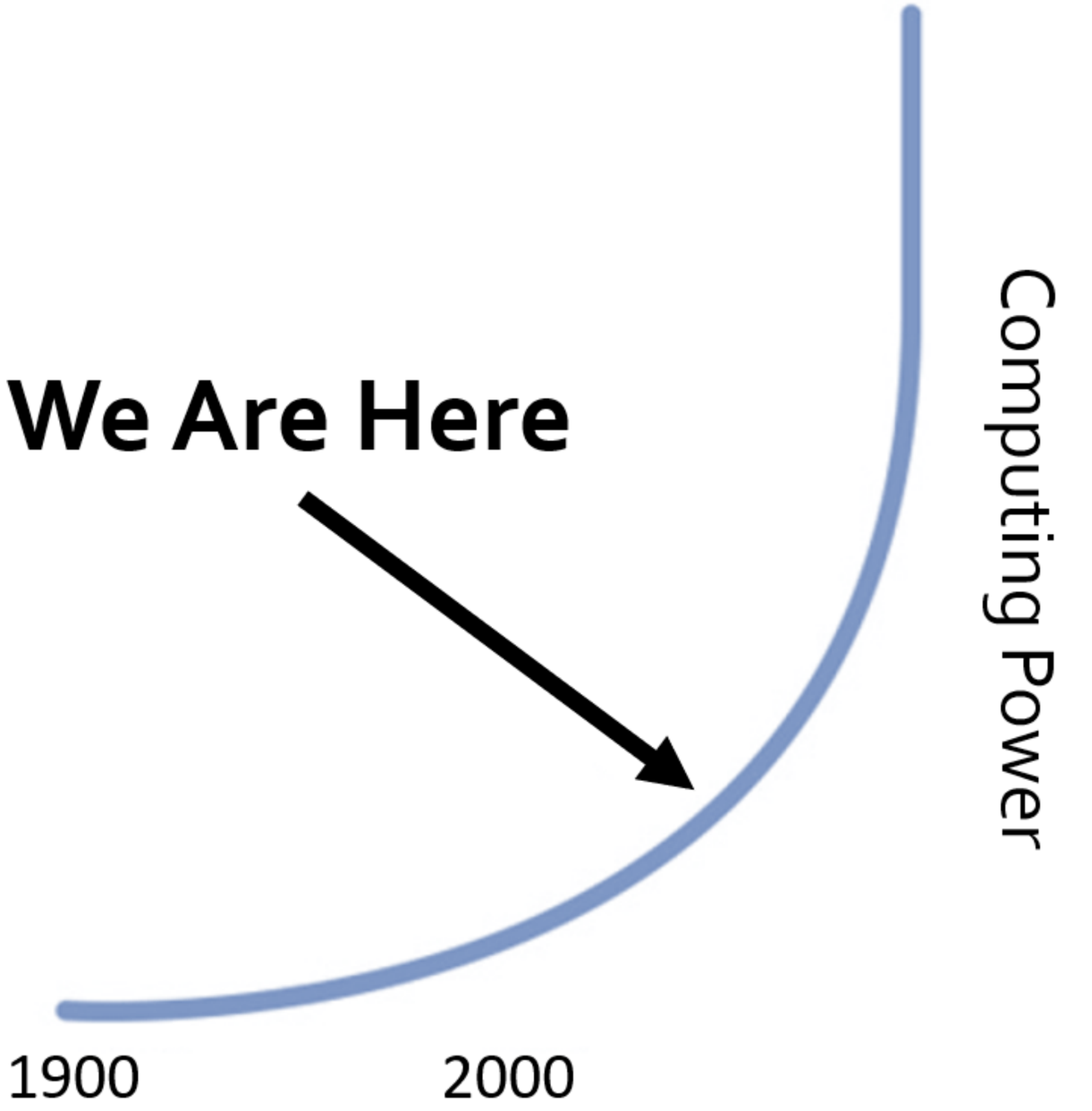
REDESIGN ITSELF AT AN EVER-INCREASING RATE.

HUMANS, WHO

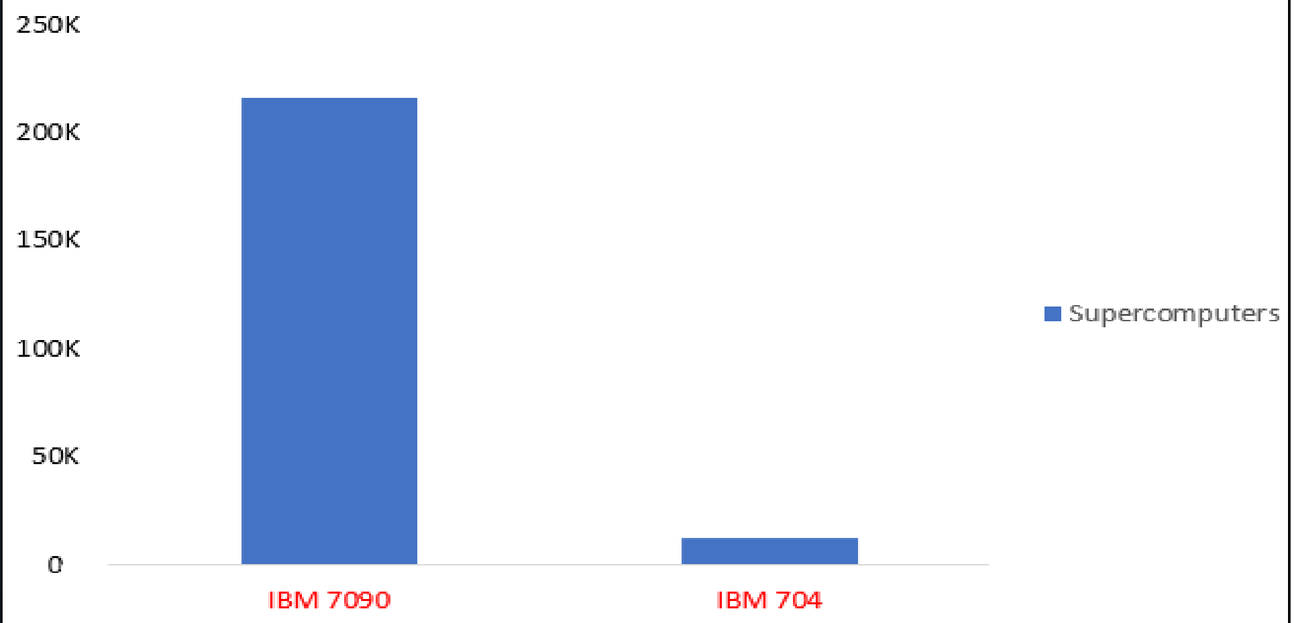
ARE LIMITED BY SLOW BIOLOGICAL EVOLUTION, COULDN’T COMPETE

AND WOULD BE SUPERSEDED”

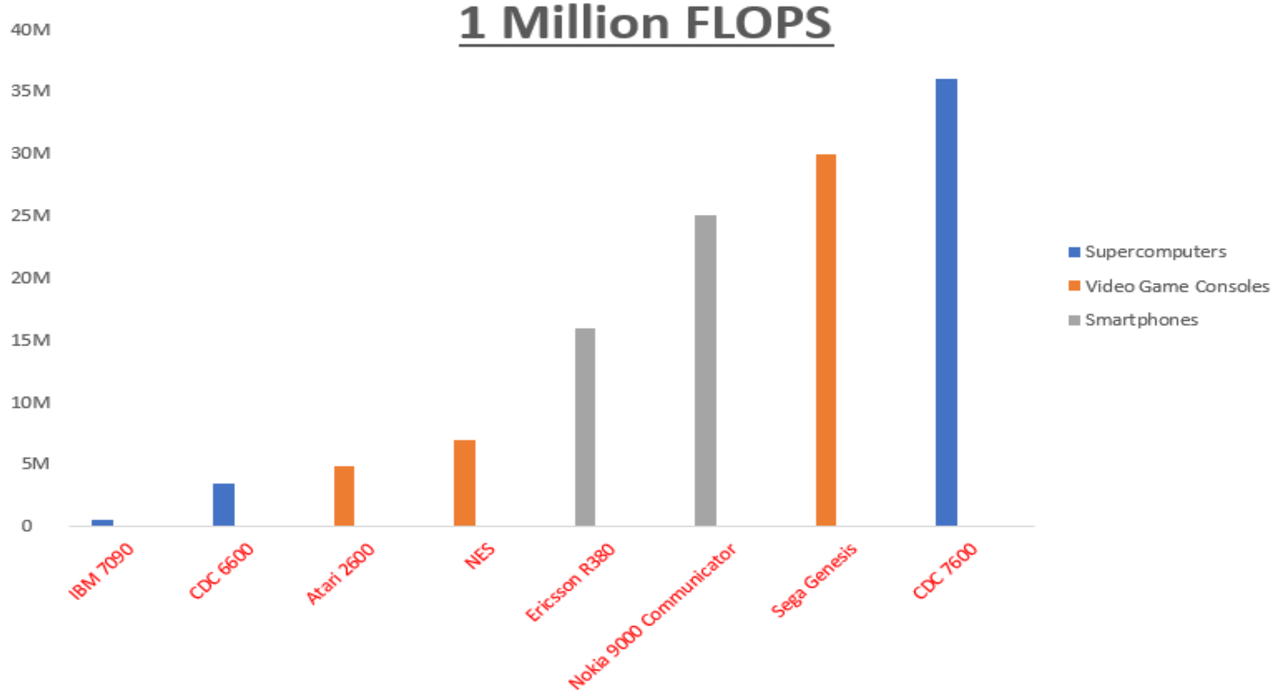
Late Dr. Stephen Hawking


We Are Here
Computing Power
1900
2000

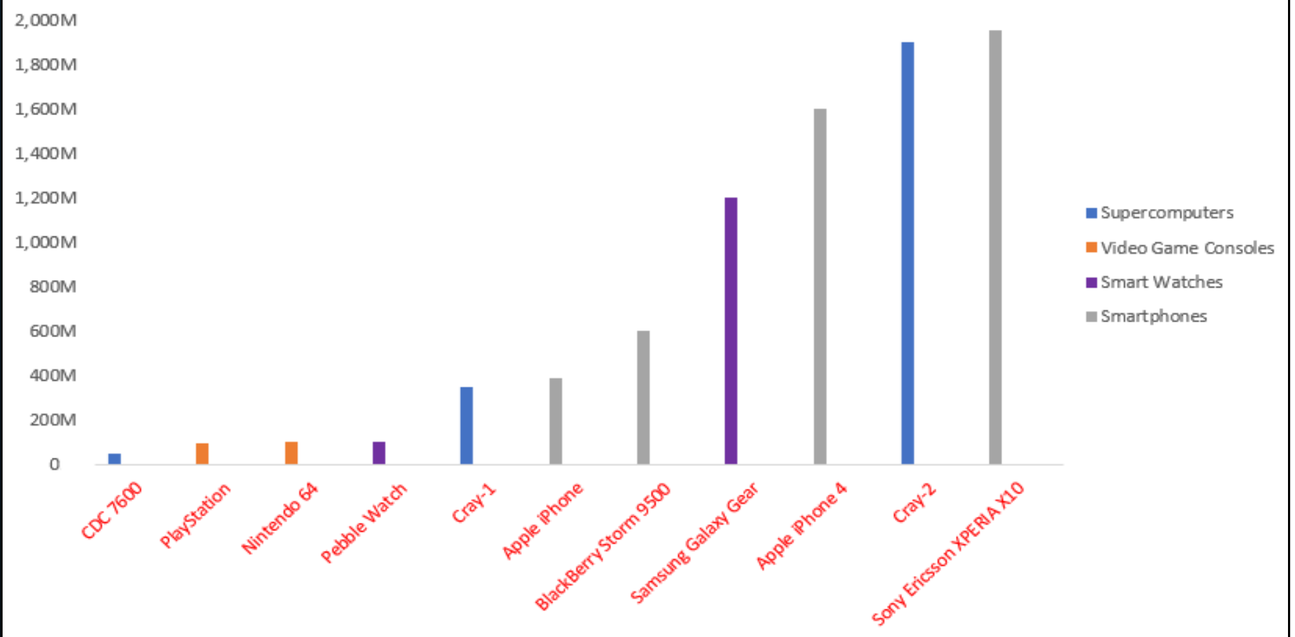
10 Thousand FLOPS



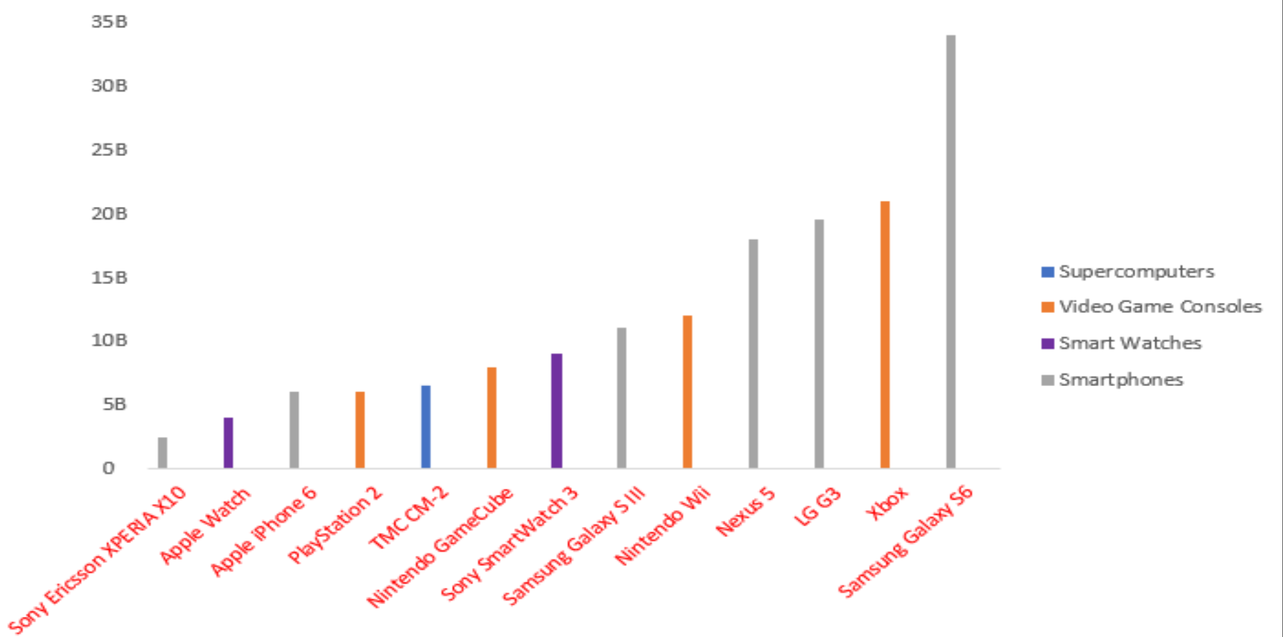
1 Million FLOPS



100 Million FLOPS



1 Billion FLOPS



Comparing Technology Equivalents

Apollo Guidance Computer

=

Nintendo Entertainment Systems

CPU Speed: 2 MHz

RAM: 4 KB

CPU Speed: 1.8 MHz

RAM: 2 KB

Comparing Technology Equivalents

Cray-2 Supercomputer

=

Apple iPhone 4

GFLOPS: 1.9

CPU Speed: 244 MHz

GFLOPS: 1.6

CPU Speed: 800 MHz

What is AI?

“*Can Machines Think” Alan Turing (1965)*

“Any system capable of simulating human intelligence and thought processes is said to have Artificial Intelligence”.

What is AI?

Thinking humanly

Acting humanly

Thinking rationally

Acting rationally

Reactive AI

Limited Memory AI

Reinforcement learning

Long Term Memory (LSTA)

Generative Adversarial Network (GAN)

Categories of AI

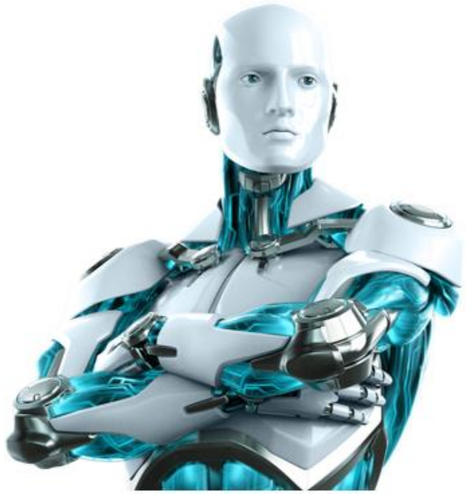
Artificial Narrow Intelligence (ANI)

Artificial General Intelligence (AGI)

Artificial Superintelligene (ASI)

PRESENT

FUTURE



Narrow **(ANI)** — Specialised in one task

General **(AGI)** — Human level AI

Super (ASI) — Smarter than humans

Thank you

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Panel on How Big Data and Cloud are Transforming Enterprises and Economies - Talent and Opportunities in Ukraine

3.35 - 4.25 pm

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Mr. Andriy Stolbov, CEO, SoftElegance

Ms. Elena Berestetskaya, Business Development Manager, Tocan Solutions

Mr. Orest Furhala, Head of Partnerships, N-iX

Mr. Boris Gaiur, CEO, Crayon

Mr. Yevhen Berko, Head of Big Data Office, Eleks

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Mr. Stepan Korec, Business Consulting and Solution Sales Director, Teradata

Ms. Tiffany Adriana, Customer Solutions Consultant, Data Analytics, Google

Mr. Yaw Yeo, Cloud Expert

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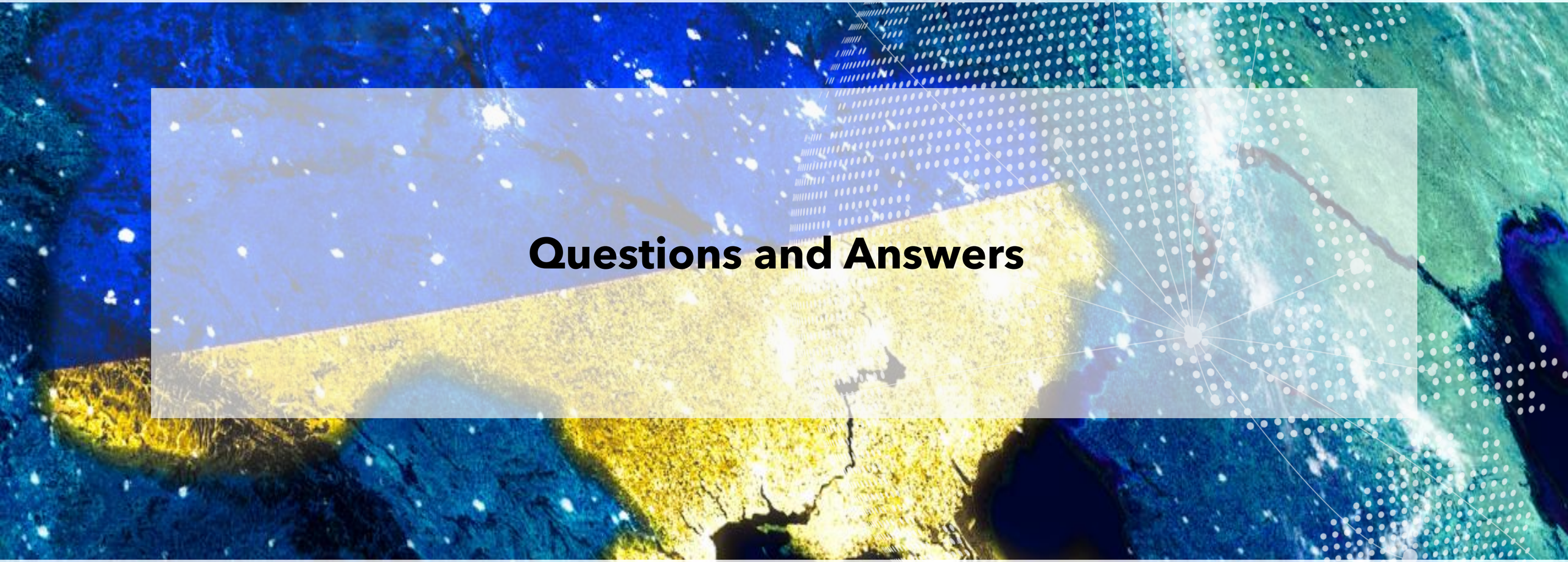

Questions and Answers

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