

Výskum inteligentných softvérových systémov

Predmet skúmania

Diplomová práca musí mať
výskumný prínos
explicitne vyjadrený

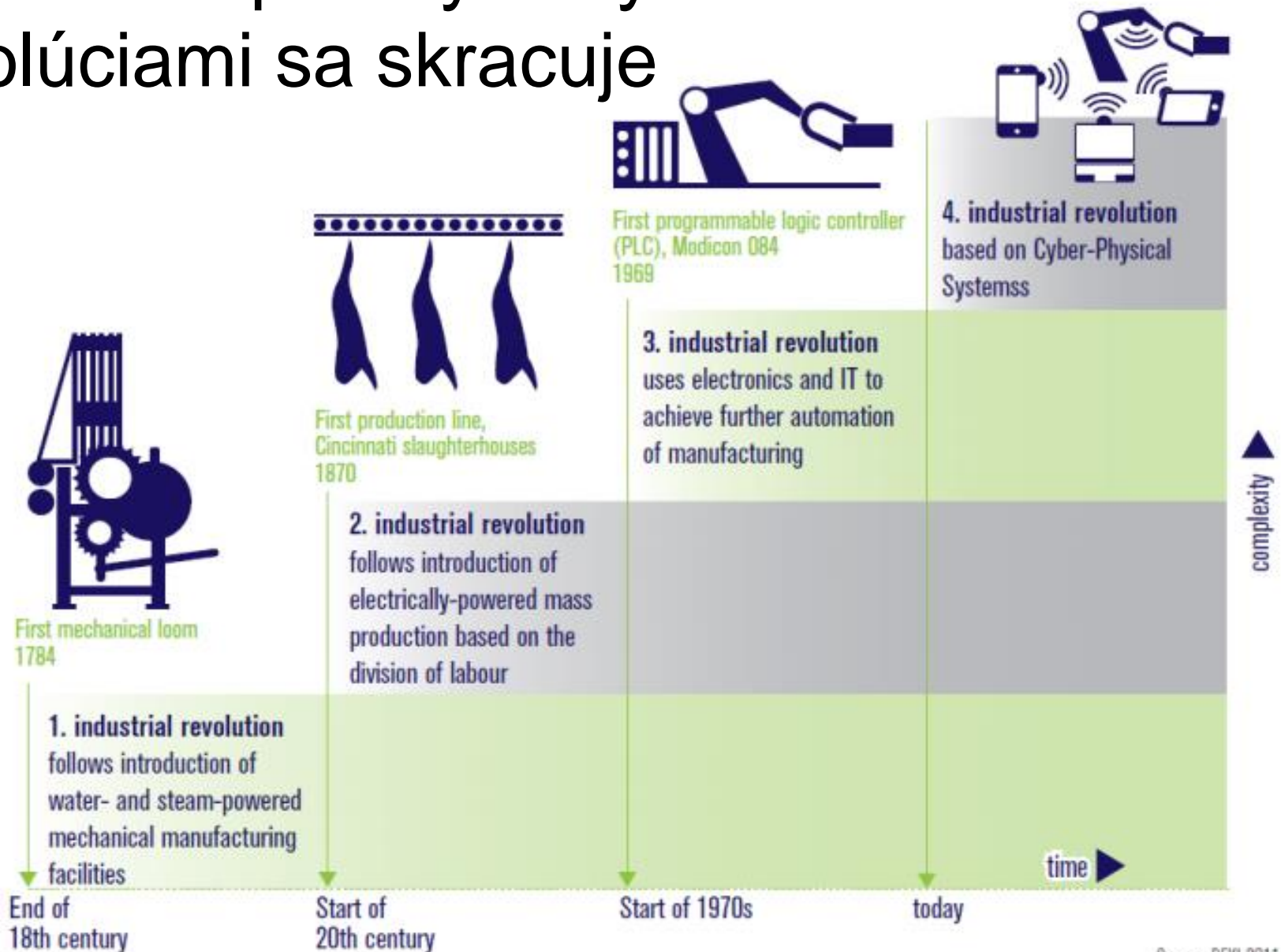
v oblasti odboru študijného programu:

Softvérové inžinierstvo

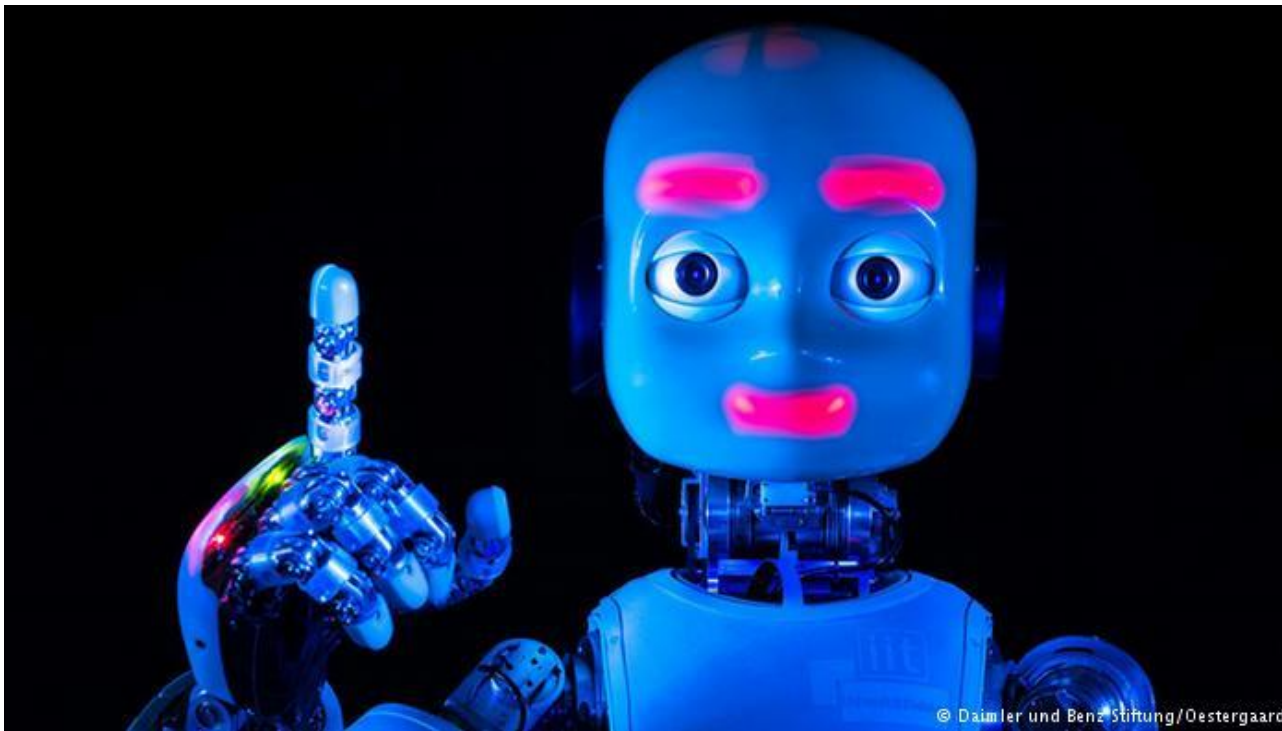
a

Umelá inteligencia

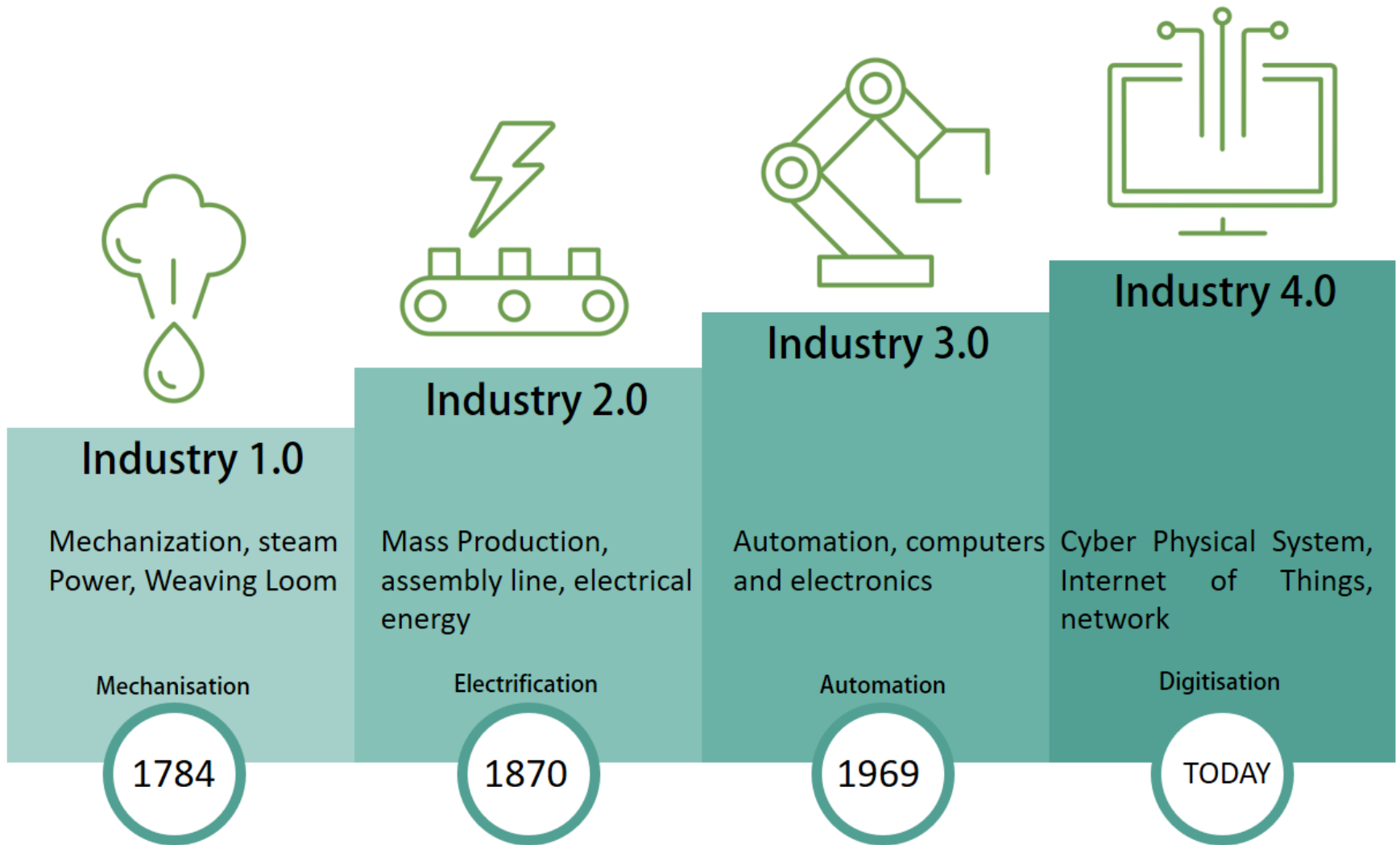
Čas medzi priemyselnými revolúciami sa skrakuje



Automated machines for other companies are produced by machines which are themselves nearly entirely automated



*“The factory of the future will have only two employees, a man and a dog. The man will be there to feed the dog. The dog will be there to keep the man from touching the equipment”
—Autodesk CEO Carl Bass.*

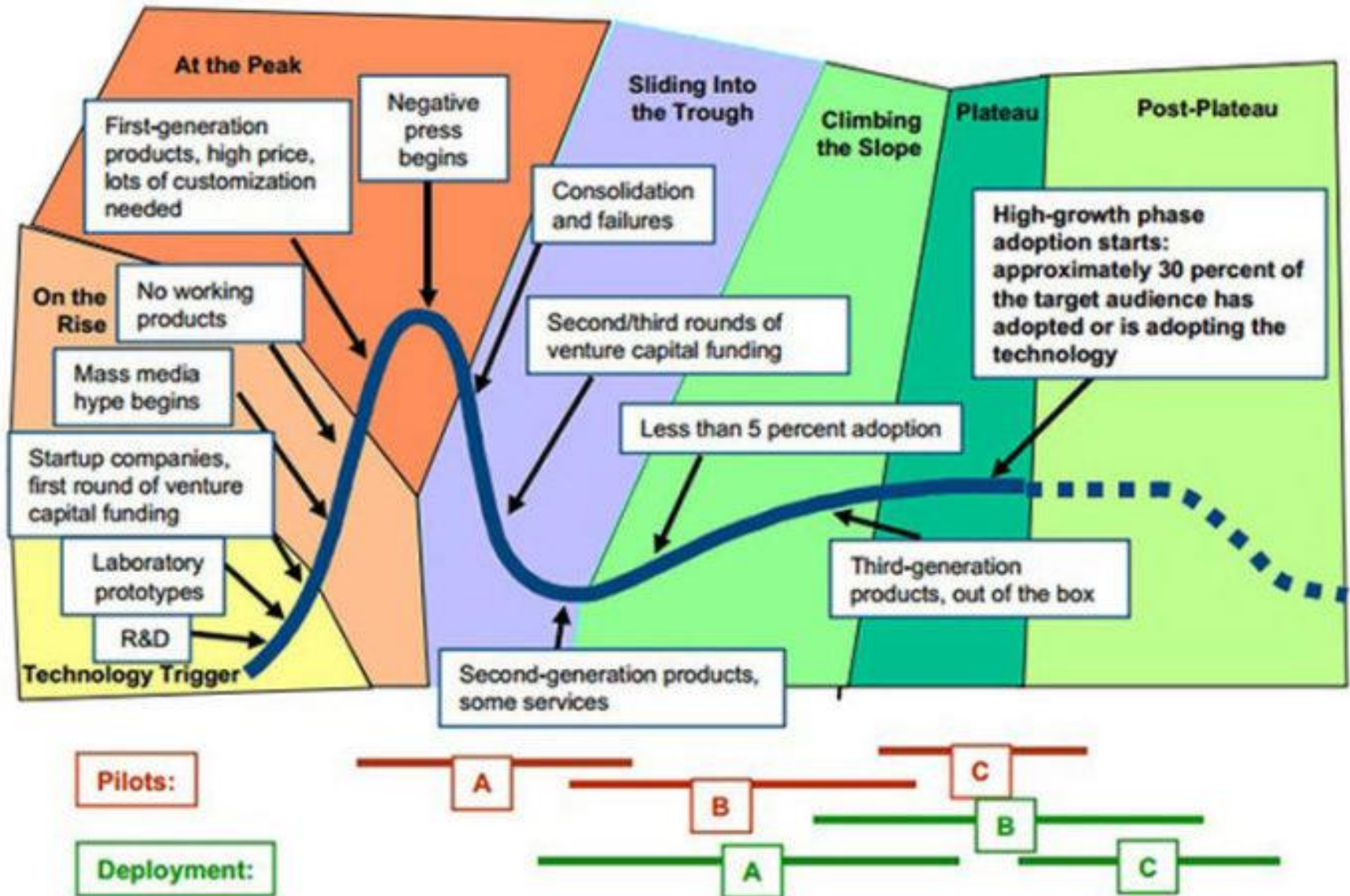


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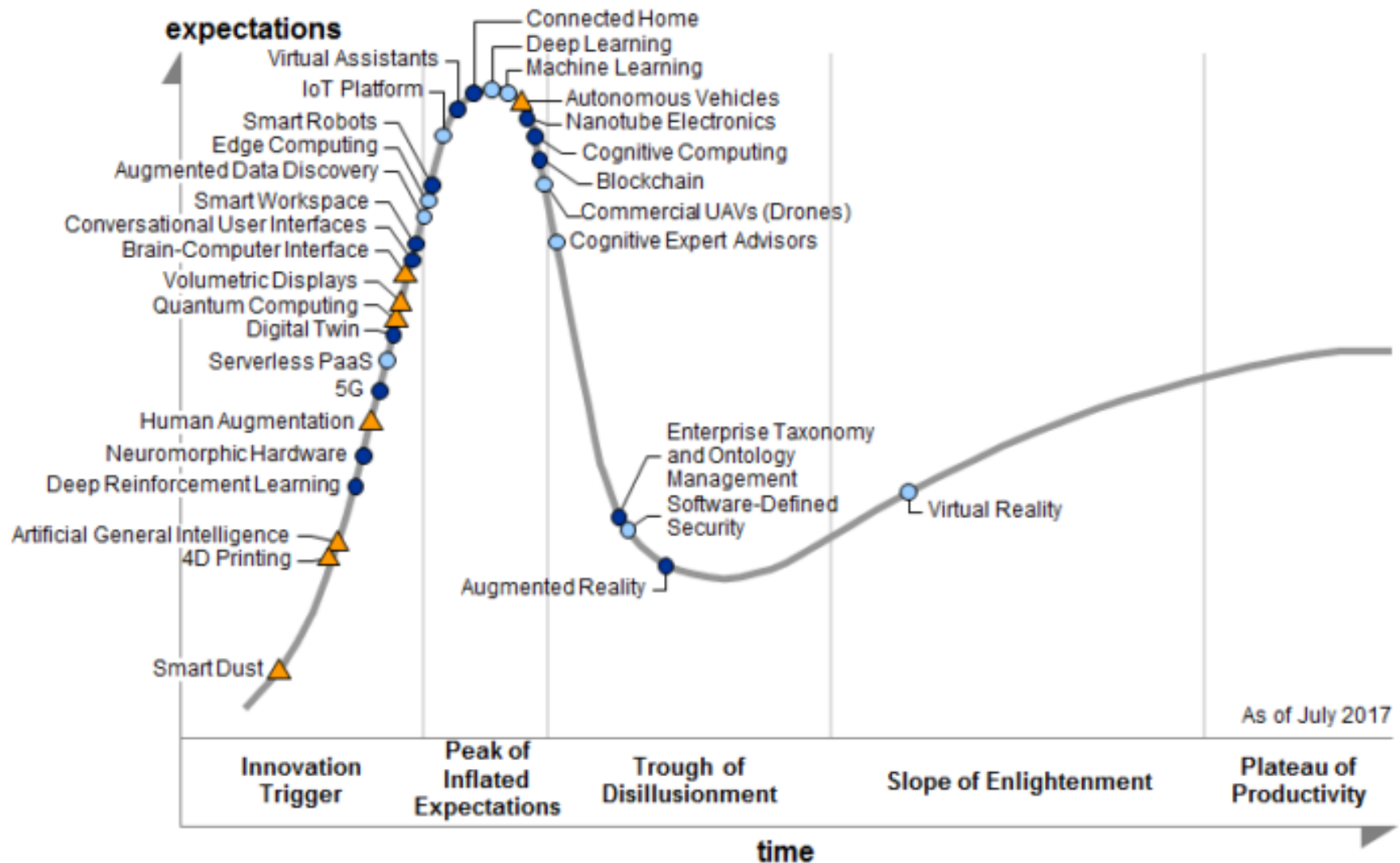


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Hype krivka ako nástroj rozhodovania

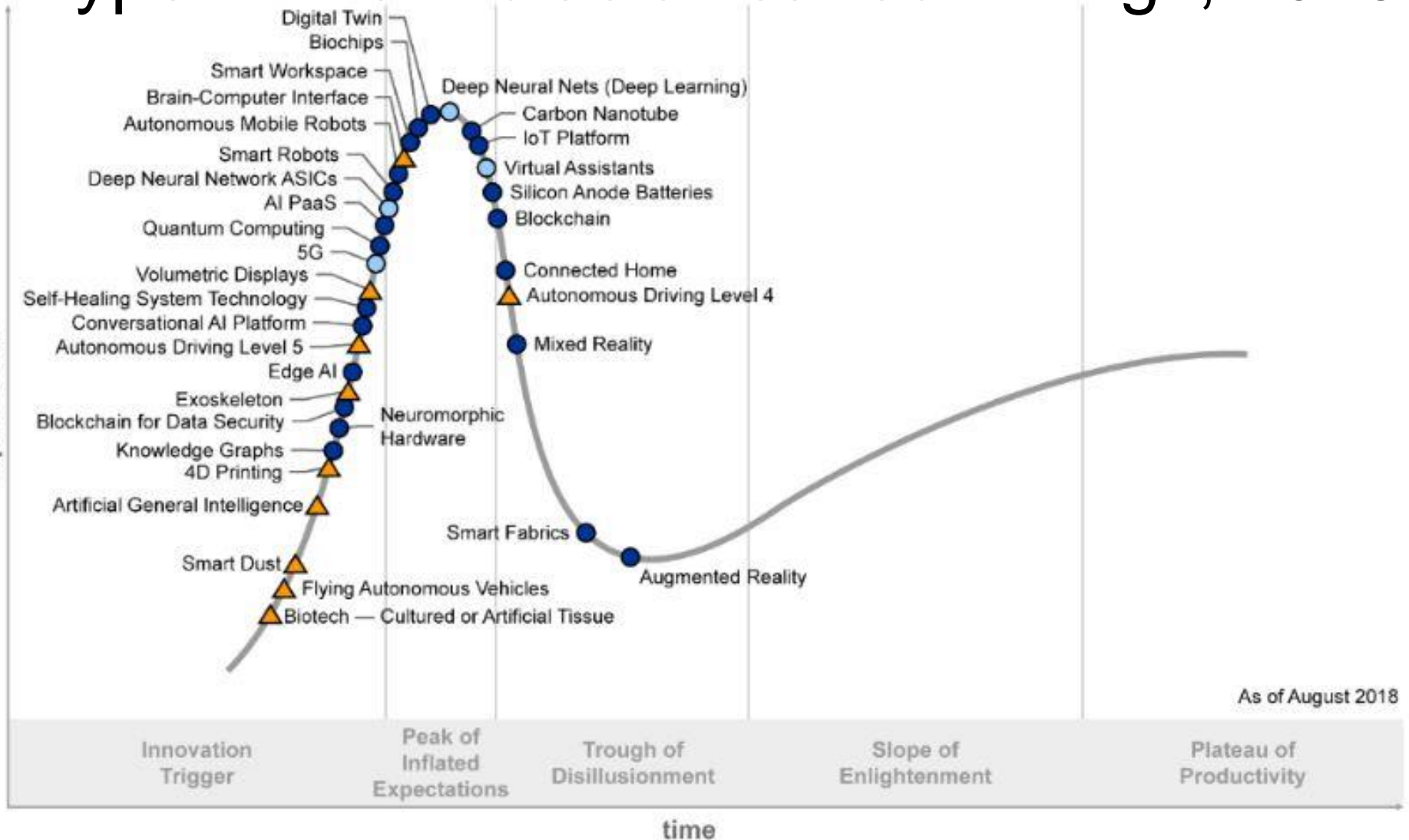


Hype krivka rodiacich sa technológií, 2017



zdroj Gartner

Hype krivka rodiacich sa technológií, 2018

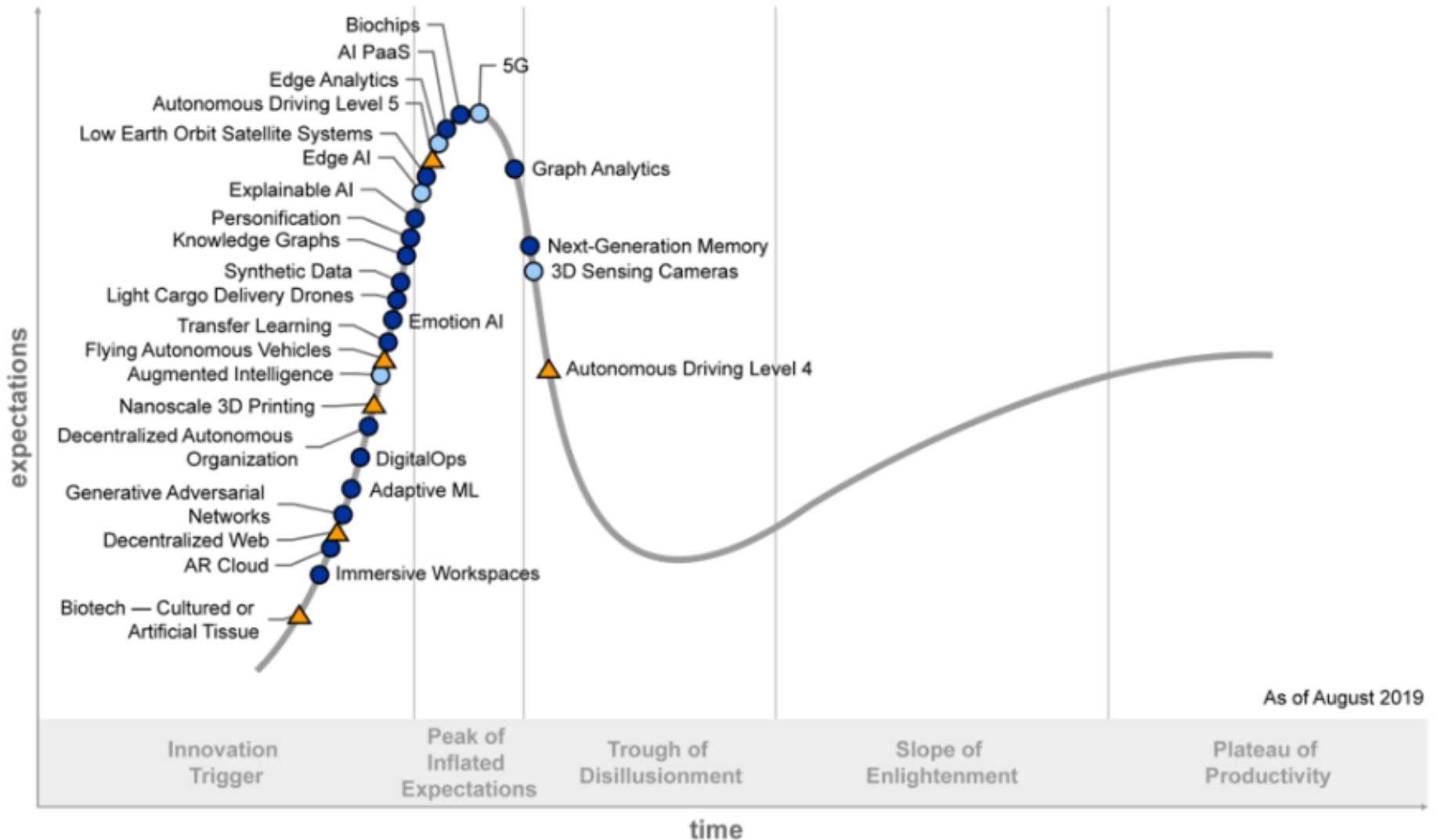


Plateau will be reached:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

Výskum inteligentných softvérových systémov

Hype krivka rodiacich sa technológií, 2019



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Výskumné projekty na FIIT STU

- *Domáce agentúry*
 - *APVV*
 - *VEGA*
 - *KEGA*
- *Medzinárodné*
 - *H2020*

<https://www.fiit.stuba.sk/vyskum/granty-projekty.html?1660>

Témy diplomových prác

- Yonban

[Ukážky](#)

Nová alebo inovovaná, prispôsobená,
kombinovaná **metóda** (postup,
prístup, spôsob) alebo **model**
niektorého aspektu inteligentných
softvérových systémov

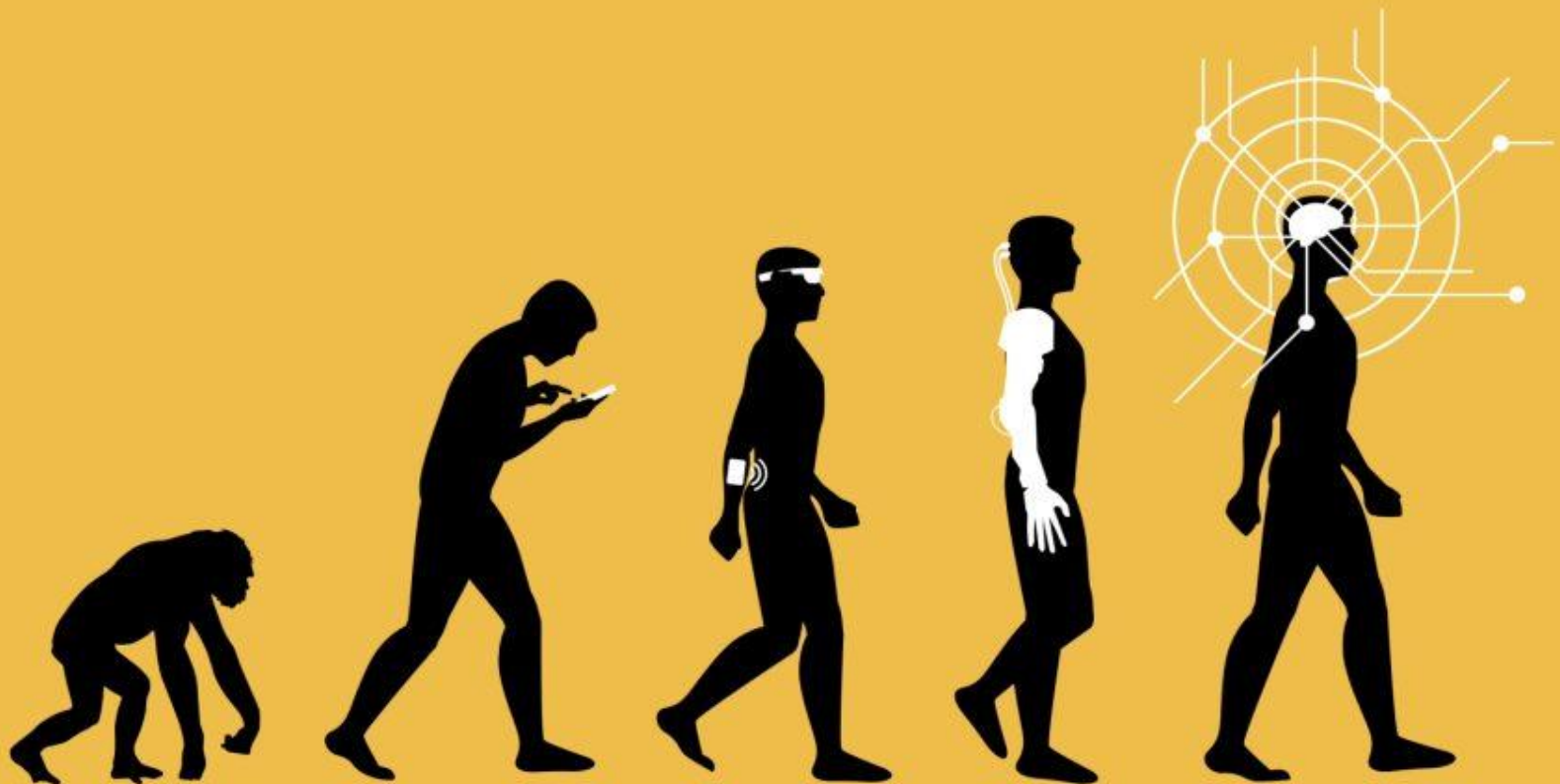
Implementácia – je dôležitá?

Implementácia

- Umožní aplikáciu prístupu vo väčšom rozsahu
- Základ pre vyhodnotenie prístupu

Gerd Leonard: The future of technology and democracy

Humanity will change more in the next 20 years than the previous 300 years



**We are at the
pivot point
of exponential
change**

MEGASHIFTS

DATAFICATION

MOBILIZATION

ROBOTIZATION

DISINTERMEDIATION

VIRTUALIZATION

SCREENIFICATION

COGNIFICATION

INTELLIGIZATION

DIGITIZATION

PERSONALIZATION

1 2 **4** 8 16 32 64 128

As issues become exponentially complex, will citizens be able to make the right decisions?

Switzerland waters down immigration referendum to protect EU relationship

Samuel Osborne, Matt Broomfield • Thursday 15 December 2016 11:51 GMT

The Swiss narrowly voted in favour of quotas limiting number of migrants from within EU in February 2014

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The Independent Online



Sicherheit schaffen

More Zukunft - Unsere Schweiz



Switzerland makes U-turn over EU worker quotas to keep single market access

Parliament passes immigration law it hopes will offer enhanced access to single market while giving residents priority over jobs, drawing parallels to Brexit arguments

Jon Henley • Last modified on Friday 16 December 2016 18.45 EST

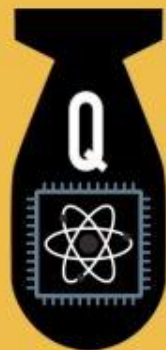


The SVP, the largest party in the Swiss parliament, accused the other parties of caving in to Brussels. Photograph: Anthony Anex/EPA

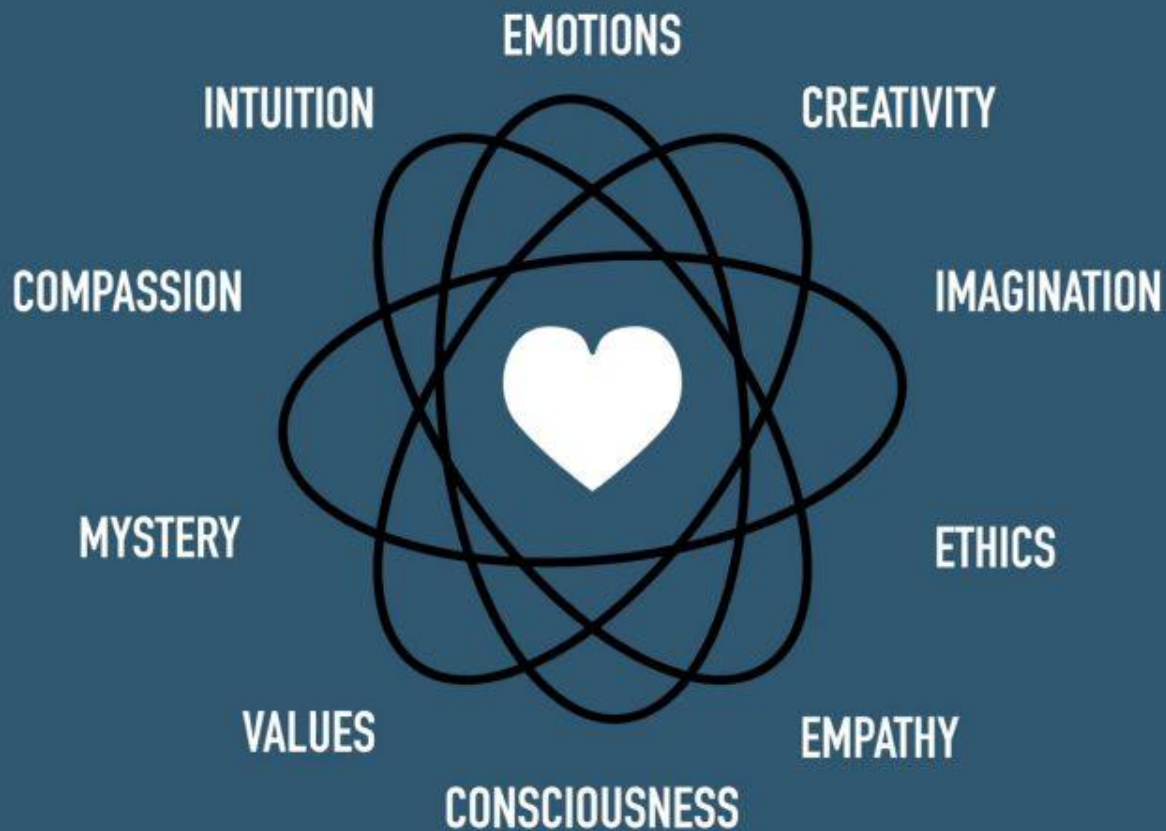
Switzerland has rejected imposing quotas on EU workers in a bid to preserve its close economic ties with the bloc, opting instead to try to curb immigration by giving residents priority in new job vacancies.



All technology can be used as a tool or a weapon



Yet anything that cannot be digitized or automated will become much more valuable

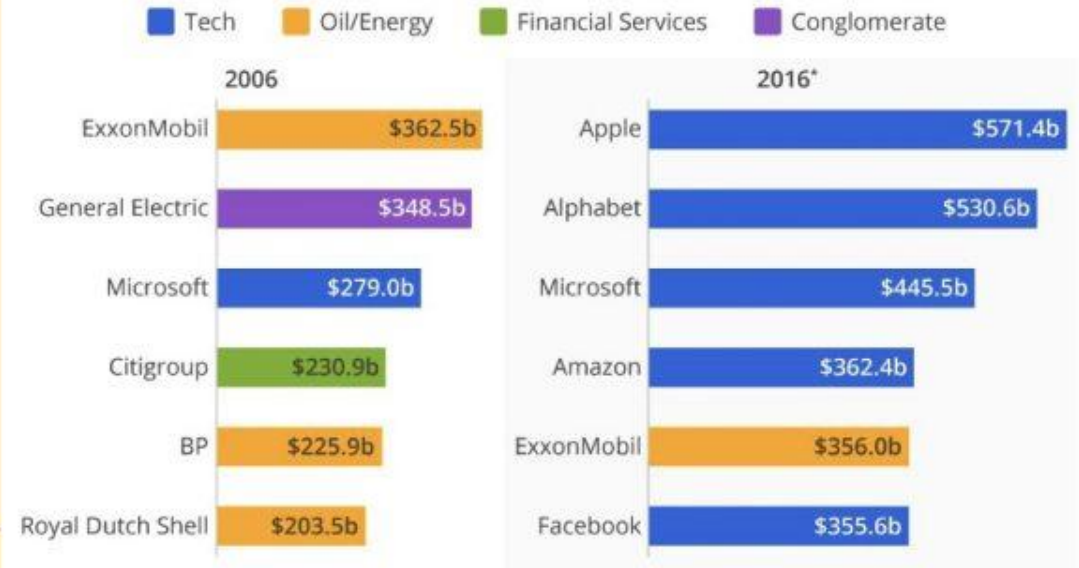


Data is the new oil - should we not regulate it in a similar way?



The Age of Tech

Market capitalization of the world's most valuable public companies



* as of August 1, 2016
Sources: Yahoo! Finance, Forbes

statista