

Will AI steal my job?!

Srvision23: *VALUE*
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Introduction



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- Accountable for EXIN's broad certification portfolio (including Agile Scrum, SIAM, DevOps, Lean and AI).
- Certified as a Digital Transformation Officer (DTO) and Agile Scrum Master.
- Regular international speaker on the subject of digital skills and competence development.
- Passionate advocate of lifelong learning.

“Generally, a caveat’s purpose is to advise prospective buyers that a third party (a caveator) might have legal interests in the property”.



What is a Caveat?

Not an AI expert
but a digital skills
expert!



Source: TNS lawyers | How to remove a caveat

Fourth Industrial Revolution

Economy 4.0 →



1.0 Mechanization,
water-power and
steam power



2.0 Mass production,
assembly line,
electricity



3.0 Computers and
automation

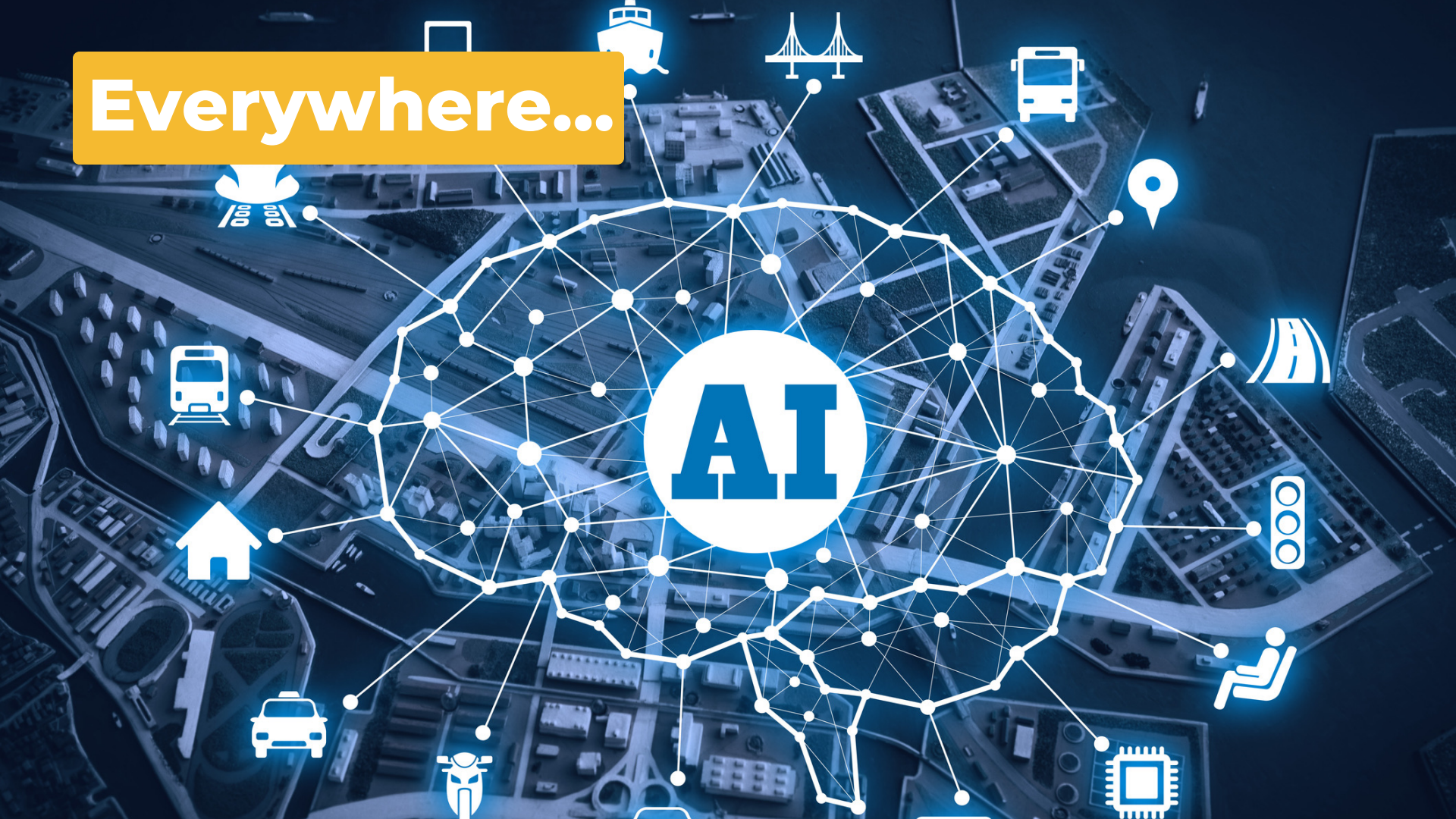


4.0 Cyber-physical
systems, networks

***AI likely to
become a
General Purpose
Technology
(GPT)***

Everywhere...

AI



Talking about *VALUES*...

Ethical Implications



Ethics guidelines for trustworthy AI (EU, 2019), with seven key requirements to ensure AI is **lawful, ethical and robust**



Recommendation on the Ethics of AI (UNESCO) – adopted November 2021 by 193 member states, focused on protecting human rights



Regularly goes wrong, e.g. Amazon

Legal Implications



Brussels, 21.4.2021
COM(2021) 206 final
2021/0106 (COD)

Proposal for a
REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
LAYING DOWN HARMONISED RULES ON ARTIFICIAL INTELLIGENCE
(ARTIFICIAL INTELLIGENCE ACT) AND AMENDING CERTAIN UNION
LEGISLATIVE ACTS
[SEC(2021) 167 final] - [SWD(2021) 84 final] - [SWD(2021) 85 final]

The Artificial Intelligence Act



BLUEPRINT FOR AN AI BILL OF RIGHTS

MAKING AUTOMATED
SYSTEMS WORK FOR
THE AMERICAN PEOPLE

OCTOBER 2022

Blueprint on AI Bill of Rights




Department for
Science, Innovation
& Technology

A pro-innovation approach to AI regulation

March 2023

AI Regulation Policy Paper



Legal Complexities



Intellectual Property



Liability



Data Protection (GDPR)

Quick show of hands...

To what extent do you think that your own job will change between now and 2030, as a consequence of digitization, automation and/ or Artificial Intelligence?

Not at all - my job will remain exactly the same as it is now.

My job will remain, but it will change - I will probably need to develop new skills.

My job will probably totally disappear, and I will need to find another type of job.

Digital skills gap

By 2030, 50% of jobs will be changed by automation - but only 5% will be eliminated.

By 2030, 9 out of 10 jobs will require digital skills.

97 million new roles are expected to be generated by 2025 as a result of the new division of labour between humans and machines, compared to 85 million jobs expected to be eliminated.

More than half (54%) of all employees will require significant reskilling by 2022.



How do Machines add *VALUE*?



May 1997

Deep(er) Blue beat the world chess champion – it won by searching 200,000,000 moves per second.

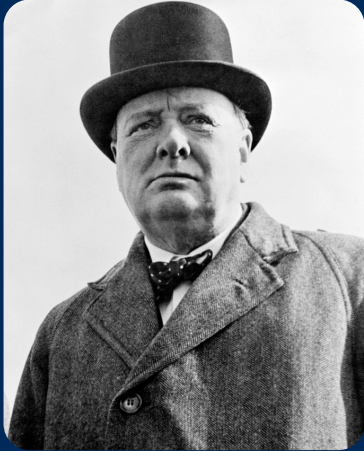
Good at processing and analyzing massive amounts of data and learning from it.

- Transactions – monotonous tasks
- Prediction
- Iteration
- Adaption



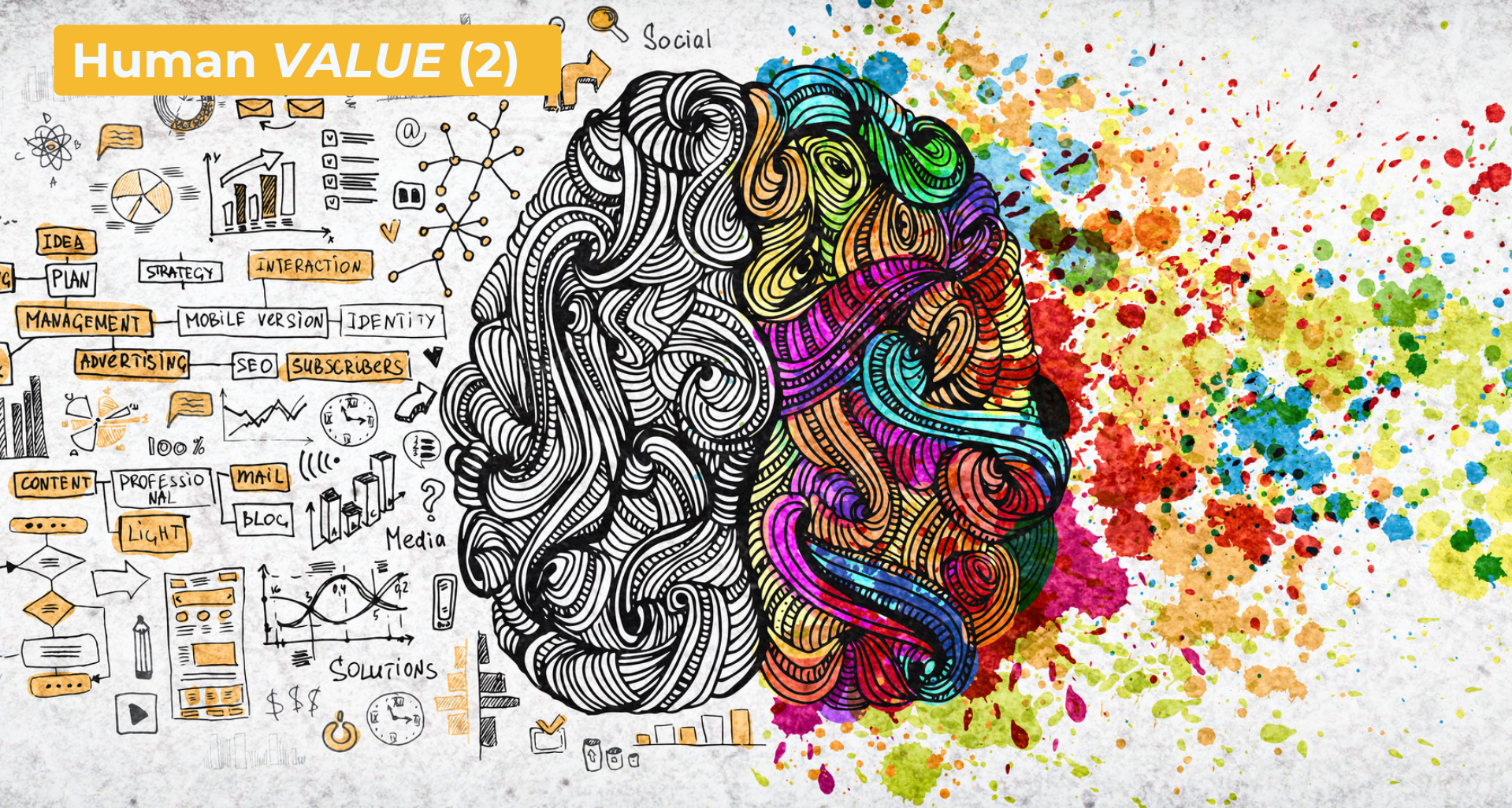
[@Christina Xu Creative Commons Attribution 2.0 Generic license, via Wikimedia](#)

Human *VALUE* (1)



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Human VALUE (2)



Human VALUE (3)



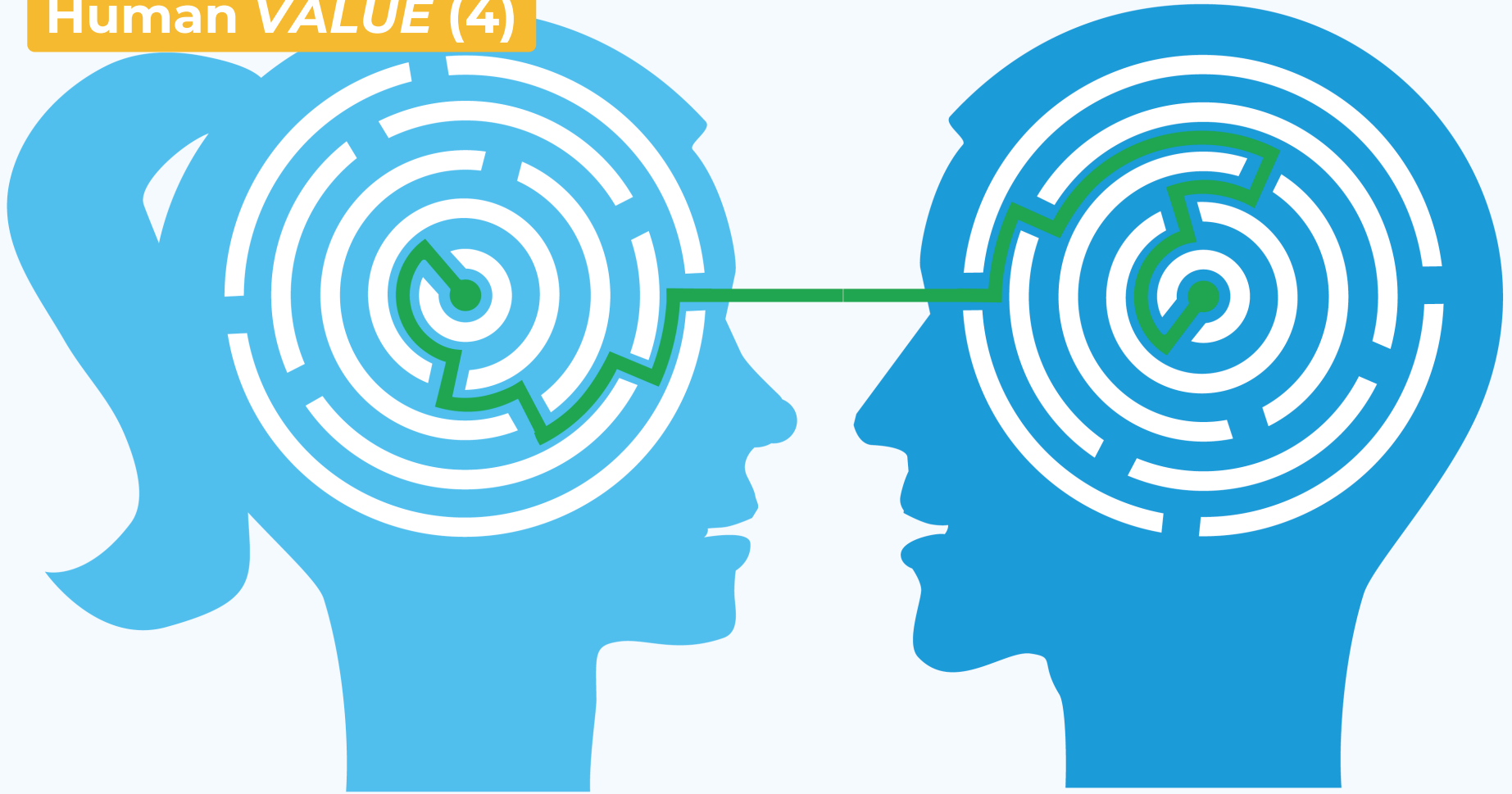
Quick show of hands...

If you were struggling with mental health problems and needed to go to a psychologist, would you be willing to be treated by a robot?

Sure, why not?! It's the future.

No way – give me a human.

Human VALUE (4)



So will AI steal my job?!

- AI is becoming a new GPT that will be as impactful on the economy as the steam engine, electricity and the internet
- Firms with larger investments in AI will upskill, employing highly skilled workers



“AI improves the ability to make predictions and decisions, which gives entry-level workers more autonomy and reduces the need for middle management”

“AI mainly benefits firms by spurring product innovation and increasing the scale of the firms rather than automating human tasks”

Jobs likely to disappear

- Data entry clerks
- Administrative and executive secretaries
- Accounting, bookkeeping and payroll clerks
- Accountants and auditors
- Assembly and factory workers
- Business services and administration managers
- Client information and customer service workers
- General and operations managers
- Mechanics and machinery repairers
- Material and stock-keeping clerks



Source: World Economic Forum

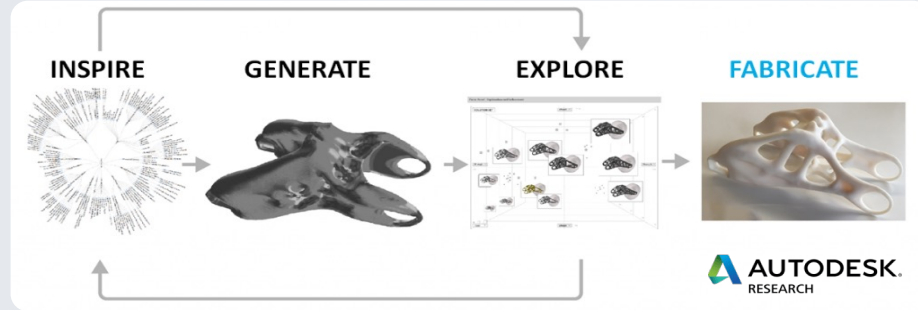
Emerging Jobs

- Data analysts and scientists
- AI and machine learning specialists
- Big data specialists
- Digital marketing and strategy specialists
- Process automation specialists
- Business development professionals
- Digital transformation specialists
- Information security analysts
- Software and applications developers
- Internet of things specialists



Source: World Economic Forum

Human + Machine creating *VALUE*



©Autodesk source: <https://www.digitalengineering247.com/article/autodesk-research-project-dreamcatcher-pushing-the-limits-of-generative-design>

Amplifying



Embodying



©TT/ IPsoft source: <https://www.businessregiongoteborg.se/taxonomy/term/257>

Interacting

Lifelong Learning



THANK YOU

Let us support you in your digital skills journey!

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