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Founder:

STELLAR
Capacity

exponential

Stellar Capacity

Stellar Capacity is a Swedish education company. In a world that requires continuous skills development, Stellar Capacity acts as a long-term knowledge partner and provides cutting-edge insights into the impact of digitalization on leadership and society, ensuring that your organization remains competitive.

During the past few years, more than 55 000 leaders have participated in our lectures, trainings and executive programs.

**Impact
Research**

**Executive
Leadership
Programs**

**Digital
Upskilling
Initiatives**

Industry 2030 – skills, jobs and growth



Trends toward 2030: challenges and opportunities for EU industry



**1.
Global
geopolitical
and economic
developments**



**2.
Scientific and
technological
developments**



**3.
Social and
societal
developments**



**4.
Climate change
and other
environmental
developments**

Volatile

Uncertain

Complex

Ambiguous

“the new normal”

Vision, Values, Flexibility, Courage, Awareness

Vision 2030



In 2030, European industry will be a global leader, responsibly delivering value for society, the environment and the economy. Europe will build its competitive advantage on cutting-edge and breakthrough technologies, respect for our environment and biodiversity, investment in our people, and smart European and global alliances. Based on collaboration and our common European values, this new industrial model will help to make Europe a role model for the rest of the world.



**How can
European
Industry
take the
lead?**

Leverage AI for industry

AI being able to learn more from less

- **One-shot learning techniques** may improve the ability for AI to learn
- AI learns to **generalize information** from outliers



Next step for industry robotics

New Materials and Fabrication Schemes

- Experimentations with artificial muscles, soft robotics, and new fabrication methods that combine multiple functions in one material.
- Multi-functional materials merging sensing, movement, energy harvesting, or energy storage.

Bioinspired and Bio-Hybrid Robots

- Embedding living cells into robots exploit biological features like self-healing and embedded sensing
- **Low-cost soft robot muscles can lift 200 times their weight and self-heal**

Source: University of Colorado Boulder

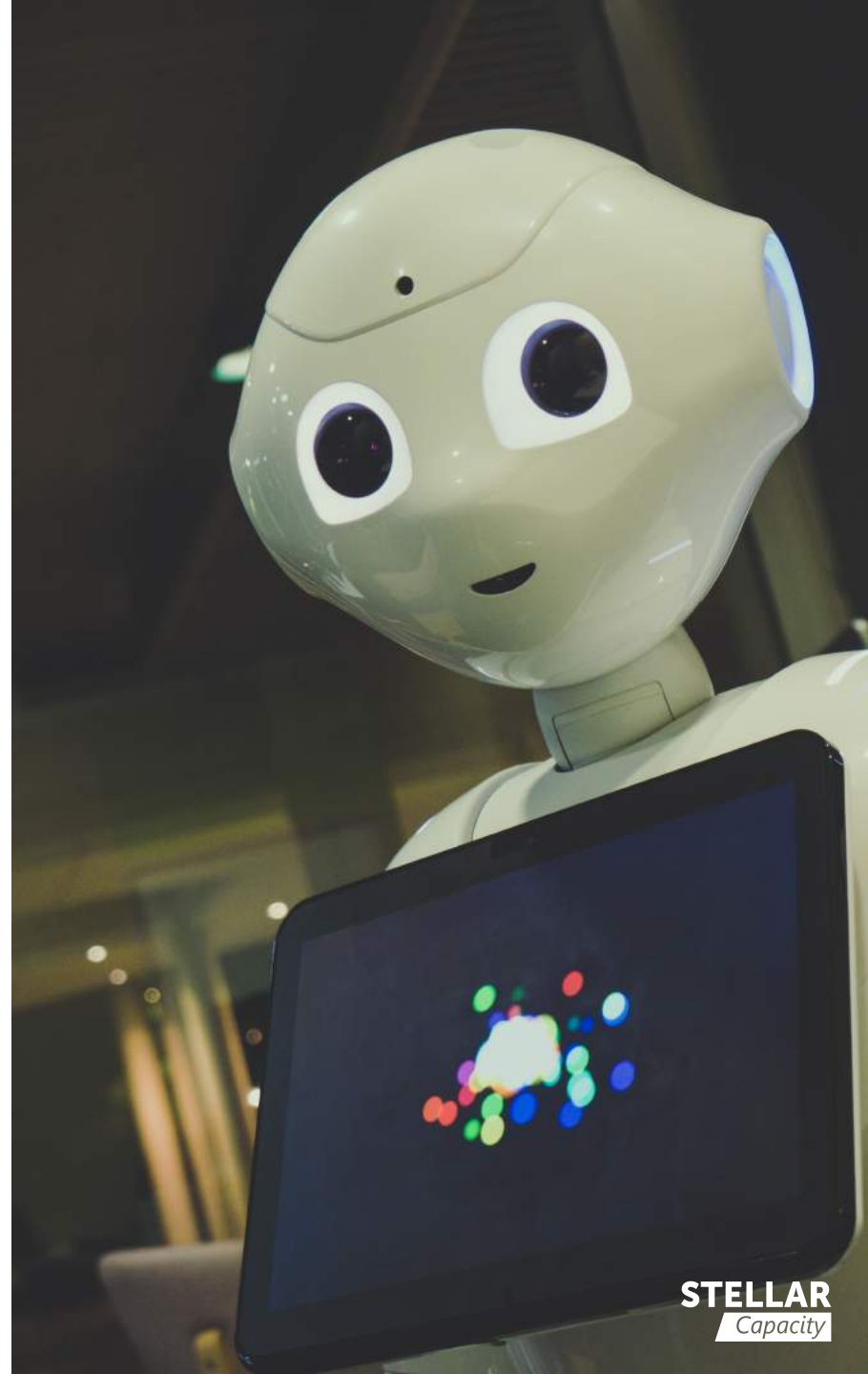


Ethics & technological advancements

- Ethical AI – needs to be defined and understood now in context of European values.
- How do we protect against unintended consequences?
- How do we avoid polarization?



Stellar Capacity
Executive Program
“Ethics on trial”- exercise



Digital online ID for Europeans

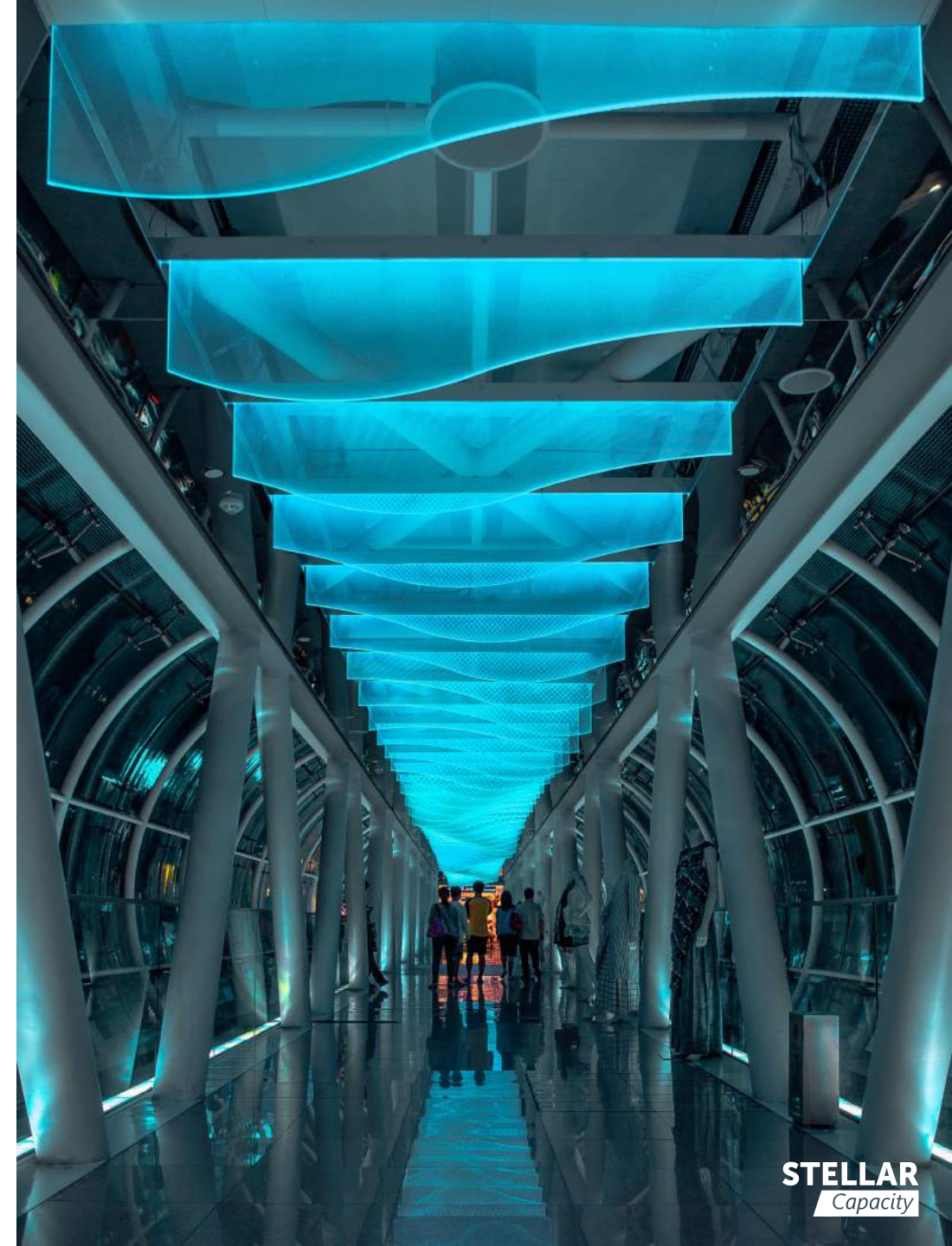
- Verifications for the job market, academia, health care, social services as well as financial transactions
- Digital signatures and verification on European level



increased mobility
across Europe



less administrative time
& transaction costs



Minimum viable regulation

Facilitate **regulatory sandboxes** outside of existing regulatory frameworks.

- Experiment with innovations, new technologies and business models at the edge or even outside of the existing regulatory framework
- Reduce cost of innovation
- Foster competitiveness
- Provide updates to regulation and help avoid overregulation



Approach innovation with new methodologies

- **Challenge/ prize driven** rather than grants
- **Insurance funding** rather than solely grant funding for innovation to enable strategic partnerships

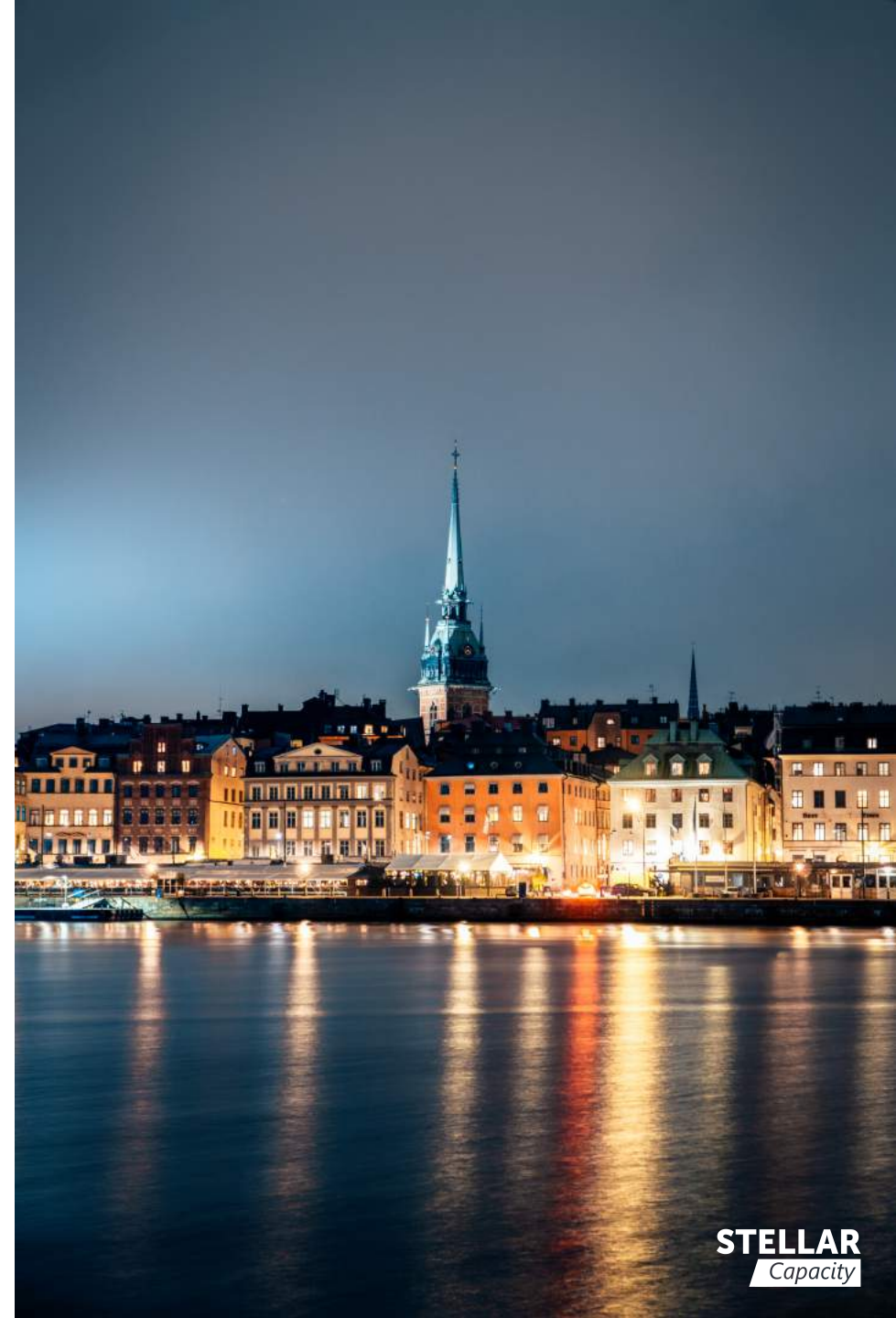


Create initiatives to ensure faster reskilling and upskilling

Future Work Forum in Sweden focused on up- and reskilling.



Digital@idag



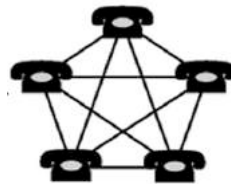
Connection to the next level

2 phones



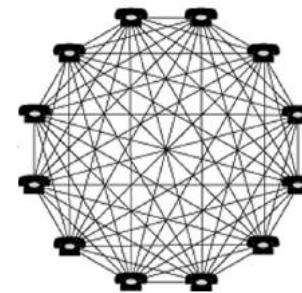
1 connection

5 phones

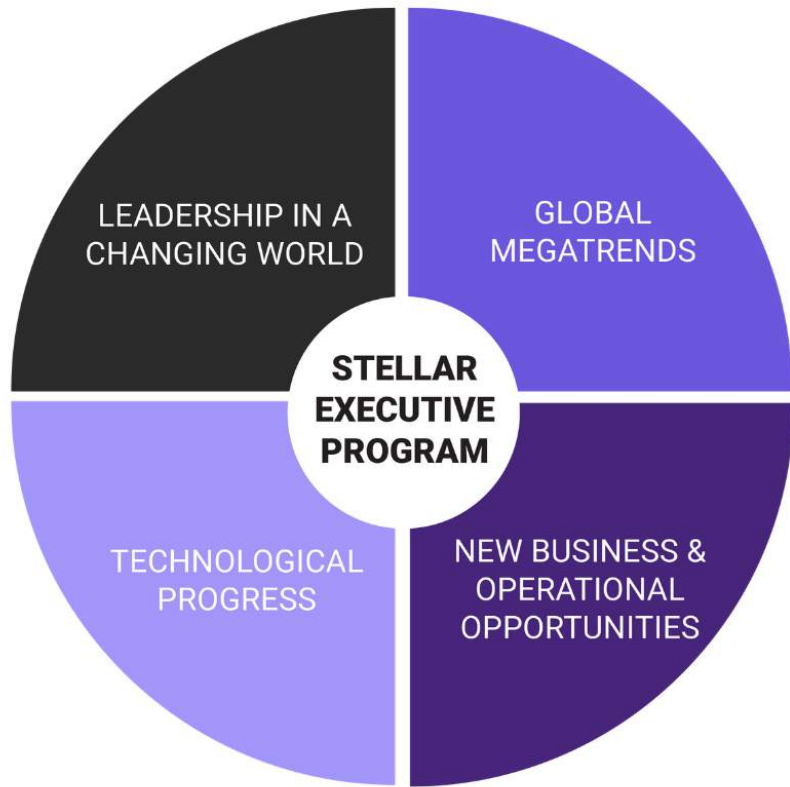


10 connections

12 phones



66 connections



WWW.STELLARCAPACITY.COM

SKILLS ROBOTS CAN'T REPLACE

Stellar Executive Program

Participants are executives driving digital change in their respective organizations both nationally and on an European level.

NEXT PROGRAM: 10-11 March 2020, 2-3 April, Stockholm

The program is designed for leaders who strive to adopt a more future-oriented and innovative leadership. The program presents insights, knowledge and tools as well as concrete examples that help the participants navigate digital change.

Typical participants are Chief Digital Officers, Market Managers, CIO:s, HR Directors and also change-makers in roles where digital change is key.

Stellar Capacity also delivers customized educational modules and tailored programs for larger corporations all across Europe.

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**EMBRACE NEW
TECHNOLOGY -
TO FULFILL YOUR
POTENTIAL**

“

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