

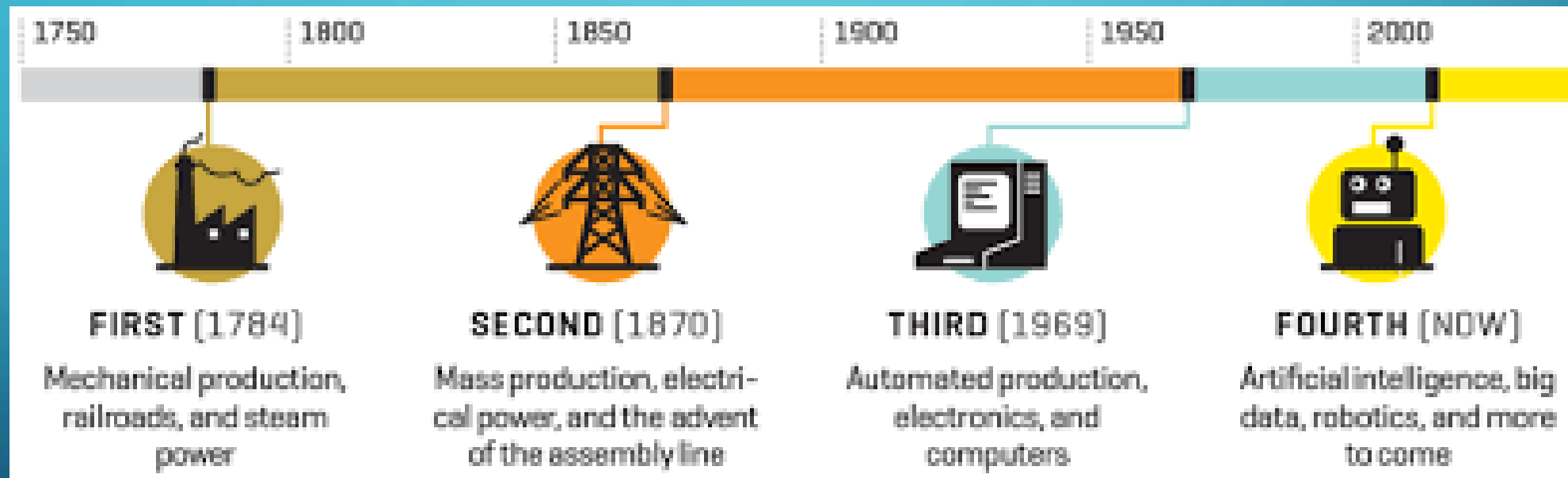


# FROM INDUSTRY 4.0 TO INDUSTRY 5.0

GLOBAL FORUM 2021 WEBINAR 9 JUNE 2021

MAREK CANECKY

# INDUSTRIAL REVOLUTIONS



# INDUSTRY 4.0 – MAIN FEATURES

- autonomous cyber physical systems
- ubiquitous data
- ubiquitous connectivity

# INDUSTRY 4.0 – ENABLING TECHNOLOGIES

- artificial Intelligence
- sensors, IoT, edge, cloud
- 5G networks

# INDUSTRY 4.0 – CHALLENGES

- trust, transparency and ethics
- data ownership, sharing, liability
- cybersecurity, digital divide, internet governance

# INDUSTRY 5.0 – SOME MORE TECHNOLOGIES

- human machine interface
- digital twin
- bio-inspired technologies
- swarm intelligence
- etc.

# INDUSTRY 5.0 - NEW TECHNOLOGICAL REVOLUTION?

- Sky is the limit?!
- Focus on growth and jobs?
- New production paradigm?

## INDUSTRY 5.0 - BUILDS ON TOP OF INDUSTRY 4.0

- environmental sustainability a resilience – material and energy efficiency, circularity, climate change, ...
- social sustainability and resilience – human centricity, empowerment and well-being, ...



The background is a dark blue gradient. In the four corners, there are white line-art graphics resembling circuit traces or neural network connections. These lines connect to small white circles, creating a sense of digital connectivity.

THANK YOU!