

# Making the Technical Leap into IR4.0

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**September 22, 2022**

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# COVID-19 accelerated the transition to IR4.0 via digital transformation

**69%** of Board of Directors accelerated digital business initiatives

**7 years** acceleration of business digital adoption (btw 2017-2020)

**16%** of companies adopted a 100% remote work policy



# Trends Shaping our IR 4.0 Future



# Convergence of Technologies

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Connected, Virtual, Smarter, Extended Reality



# Connected Supply Chains

A man and a woman, both wearing blue hard hats and business attire, are standing in a factory. The man is holding a tablet and they are both looking at it. The background shows industrial machinery and a blue structure.

- Data driven analysis via digitally connected machines and sensors
- Real-time integration of data to business processes for improved inventory management, service levels, labour productivity and asset utilisation

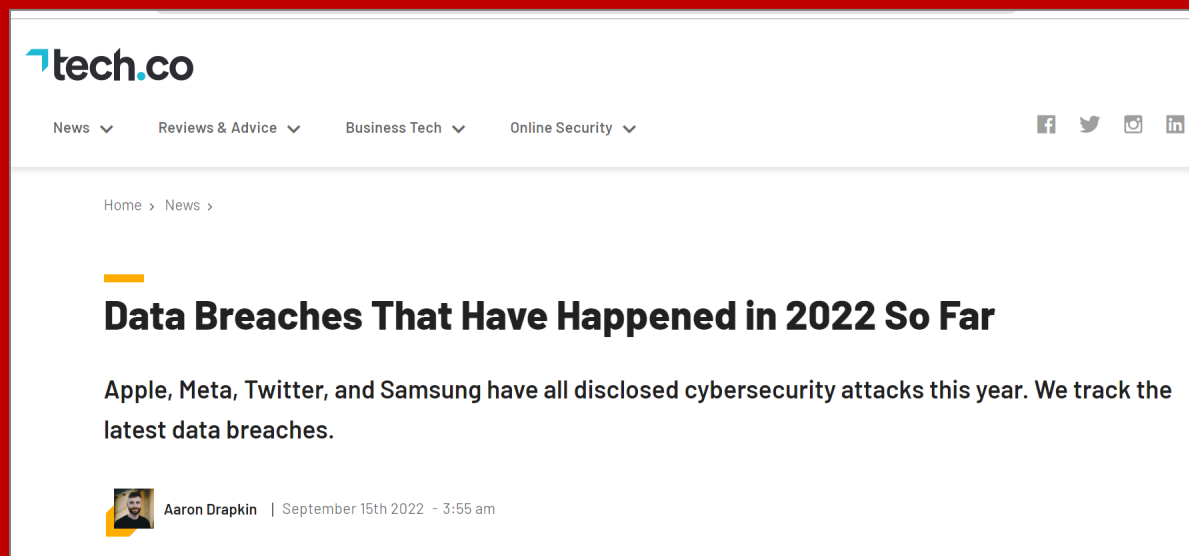


# Race to Zero

- Manufacturing responsible for 10% of global emissions
- Effective adoption of digital tech - potential to reduce global emissions by 15% by 2030

# Data Protection and Cybersecurity

- Growing frequency of data breaches
- Ave. cost per data breach increased from USD4.24 to US4.35 mil
- Cybercrime expected to cost the world USD10.5 trillion by 2025





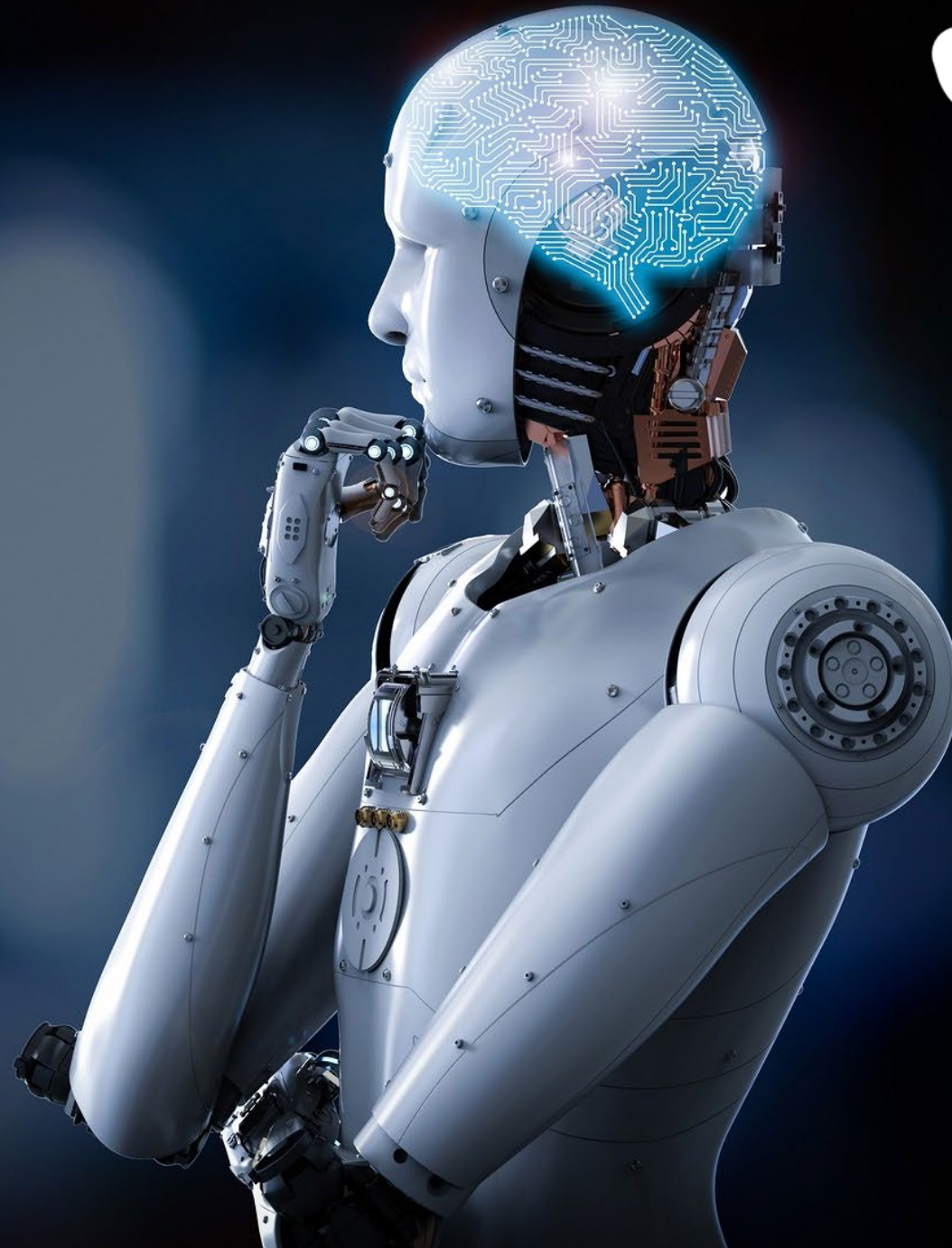
# Automation... including Managerial tasks

**Chinese tech company appoints an AI-powered virtual humanoid robot as CEO - claiming it will ensure 'a fair and efficient workplace for all employees'**

- Chinese gaming company NetDragon Websoft has appointed a virtual CEO
- The humanoid robot is called 'Tang Yu', and is powered by artificial intelligence
- The organisation said it will act as an 'analytical tool' to support decision making
- It will also play a role in employee development and ensuring a 'fair' workplace

By [FIONA JACKSON FOR MAILONLINE](#) 

**PUBLISHED:** 13:05 BST, 8 September 2022 | **UPDATED:** 13:17 BST, 8 September 2022






Digital Transformation  
is critical to **GROW**




# Goal-setting

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- The background of the slide is a solid teal color. In the center, there is a tall, white ladder that extends from the bottom to the top of the frame. To the left of this central ladder, there are four shorter, light blue ladders arranged in a row. To the right of the central ladder, there are two more shorter, light blue ladders arranged in a row. All ladders are leaning against the teal background. A semi-transparent white rectangular box is overlaid on the lower left portion of the slide, containing a bulleted list.
- Understand your organization's own needs, challenges and what you want to achieve and measure
  - How will your IR4.0 transformation project help you to serve customers better?



# Establish a Feasible Roadmap

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- Don't rush – avoid cutting corners, skipping key technical components and user requirements.
  - Keep the end goal in mind

The background of the slide is a close-up photograph of a rope knot. The rope is multi-colored, with yellow, blue, red, and white strands. It is tied in a complex knot, possibly a reef knot or a similar sailing knot. The rope is set against a blurred, light-colored background. A dark grey semi-transparent box is overlaid on the bottom left of the image, containing the title and list.

# Get Everyone **O**nboard

- Communicate, communicate, communicate ...the 5Ws and 1H
- Secure buy-in in ALL directions – leadership, middle management, employees, across departments
- Establish a shared vision for the entire organisation



# Winning Mindset

- Digital re-skilling and up-skilling
- Mindset
- Culture





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**THINK  
POSSIBLE**





# THINK POSSIBLE

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