

INDUSTRIAL AI

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au·to·mat·ic | \ , ò - t ə - ' m a - t i k

Adjective

having a self-acting or self-regulating mechanism

Origin: mid 18th century:
from Greek **automatos** 'acting of itself'

BOSCH
Vollautomatisch elektr.

BOSCH-Kühlschrank

Vollautomatisch elektr. Kompressor-Anlage für Wechselstrom

Wirklicher Nutzraum 60 Liter	Äußere Gesamttiefe . 62 cm
Innenraum-Durchm. 44 cm	Gesamthöhe 84 cm
Innenraum-Tiefe . . . 39 cm	Gesamtgewicht 80 kg
Äußere Gesamtbreite 58 cm	Motor 1/8 PS

ROBERT BOSCH A.-G. STUTTGART

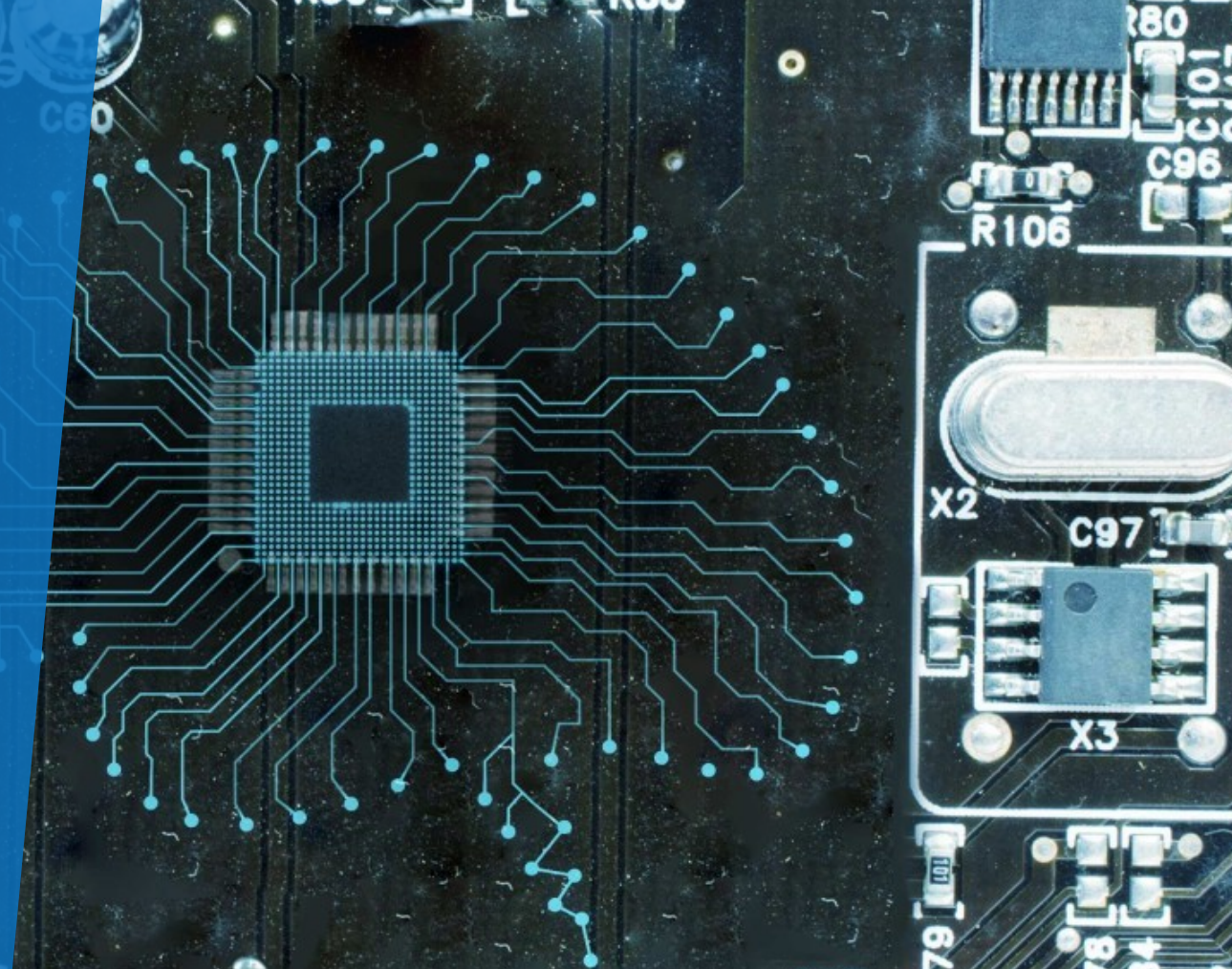


Industrial AI

IoT: the World of Objects
explaining the physical world
to machines

AI must be:

- ▶ Safe
- ▶ Secure
- ▶ Explainable
- ▶ Robust

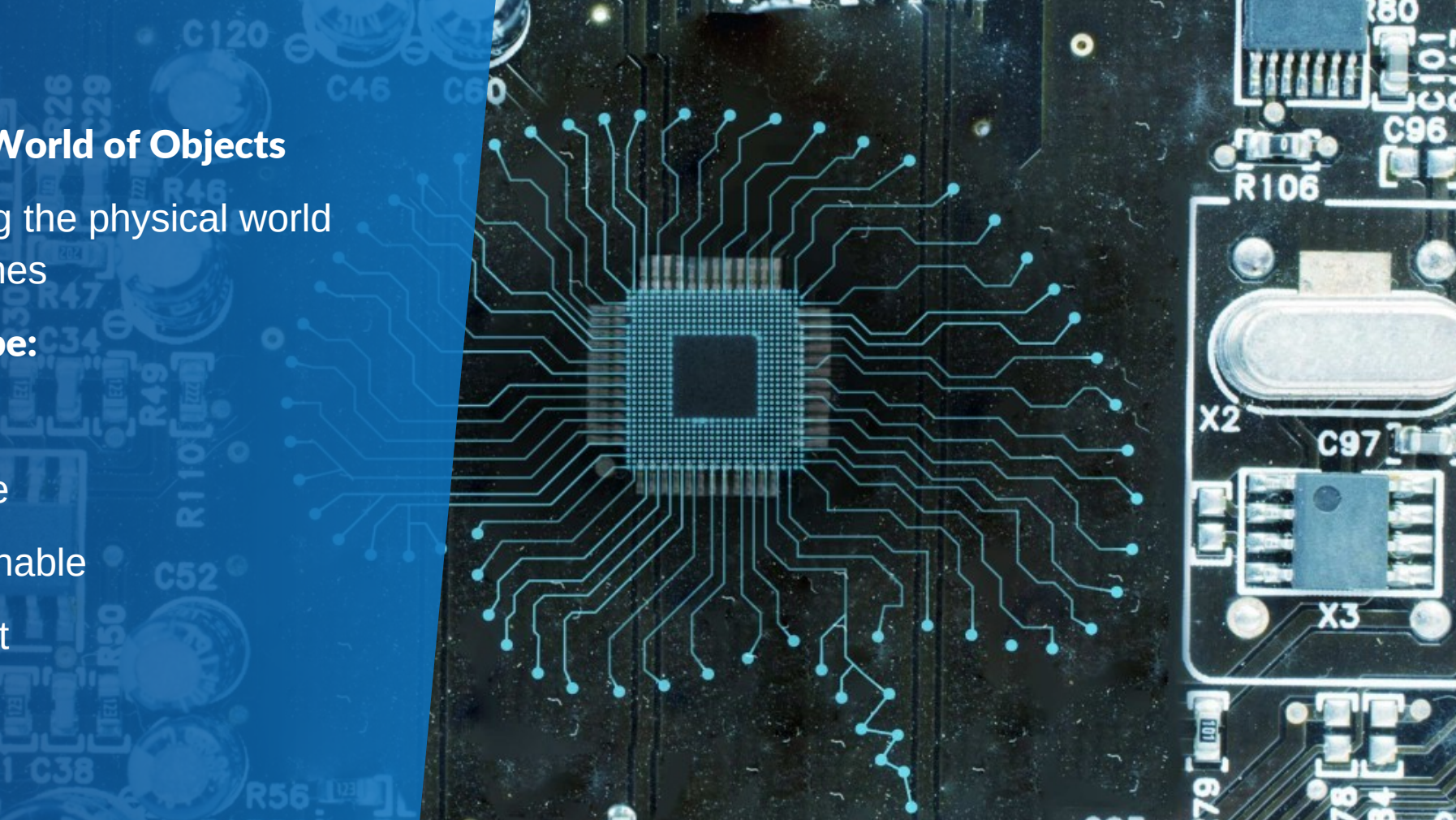


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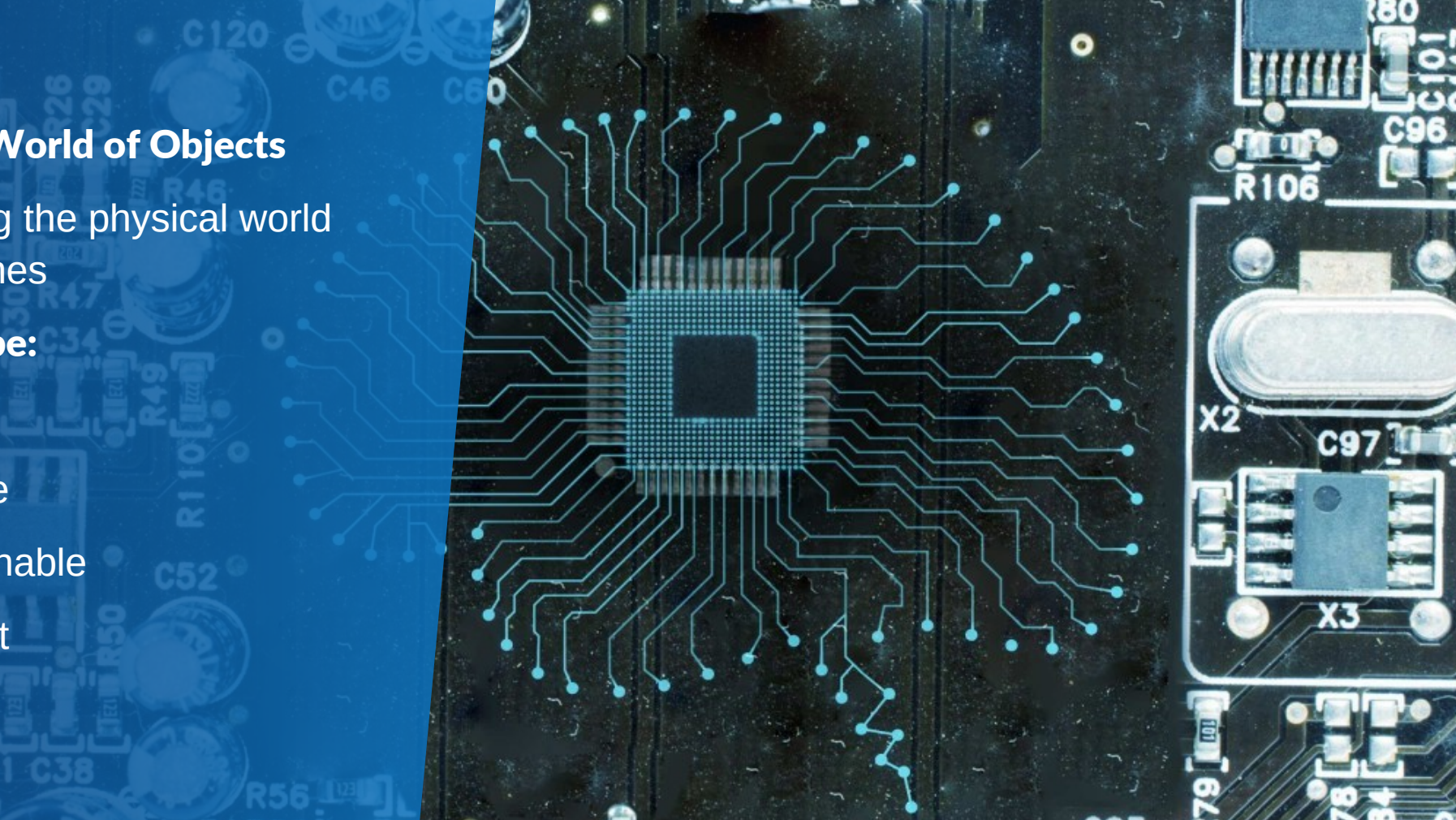


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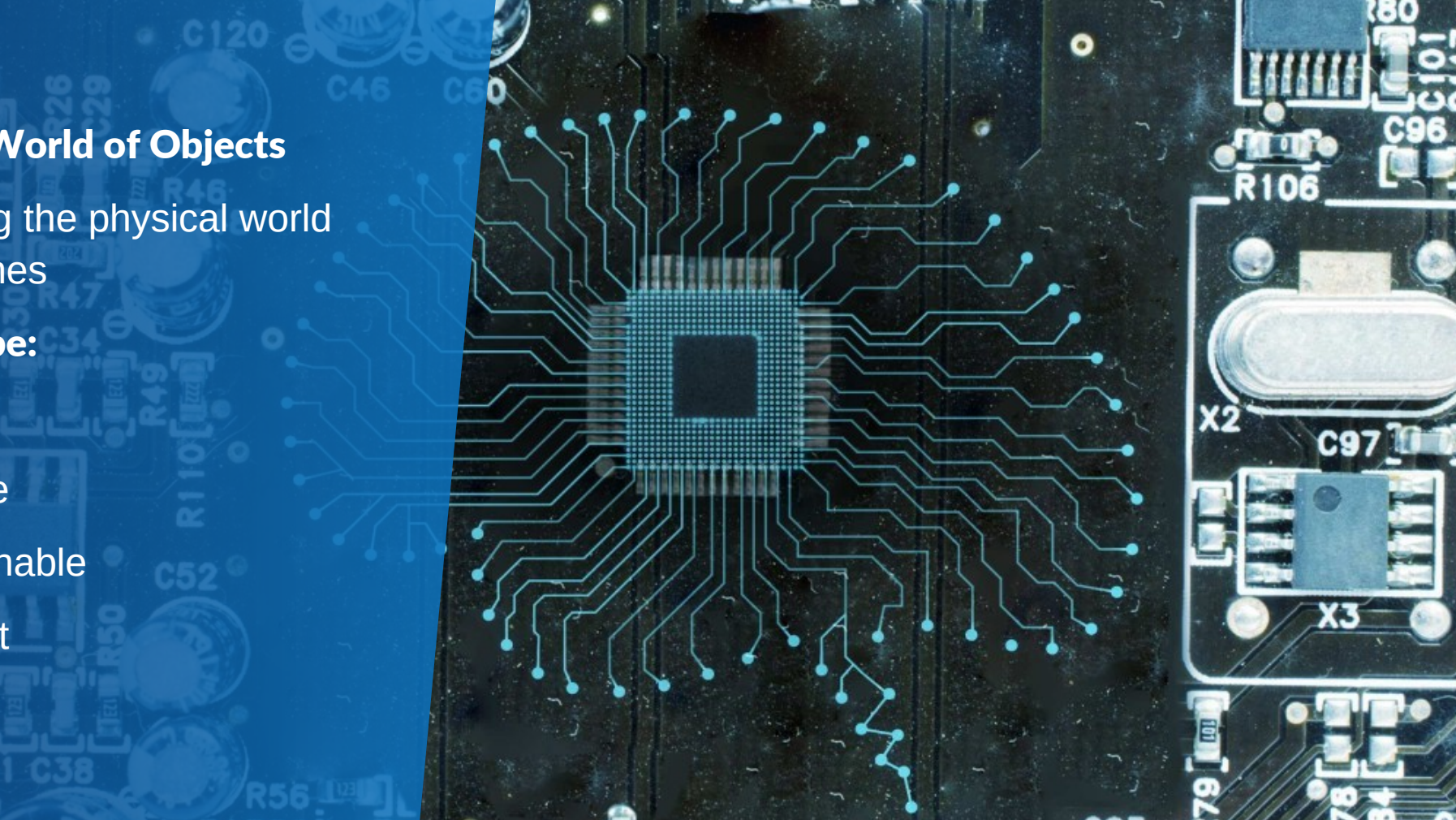


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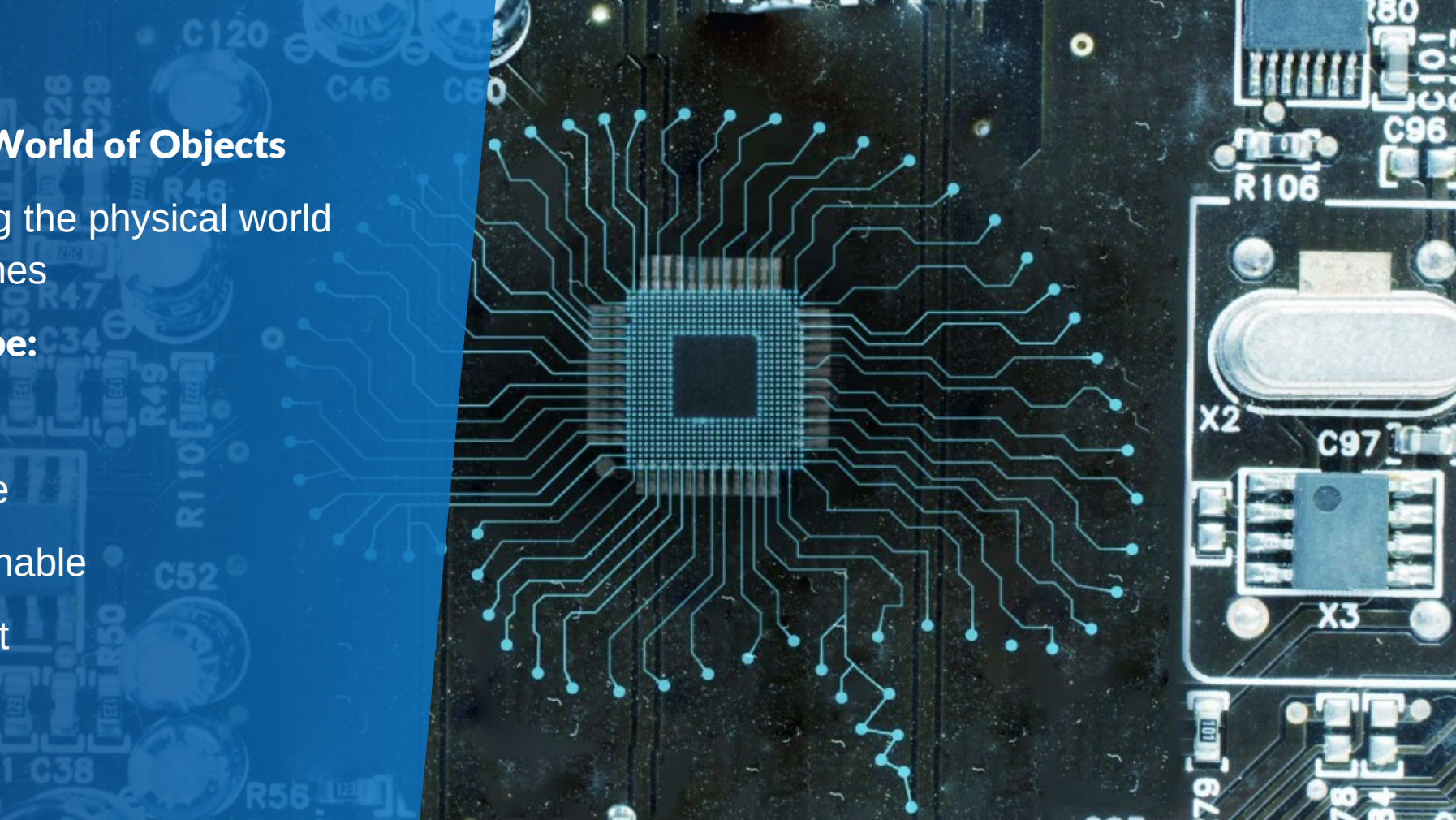
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IoT Opportunities

Integrate three strengths

- ▶ Domain Knowledge of complex physical products
- ▶ Combine machinery and product data
- ▶ Partnering in ecosystems: academia + start-ups + SMEs + major industrial enterprises



Bosch and Daimler:

World's first approval
for a level 4 system:

Automated Valet Parking



Factory of the future

Connectivity and AI

- ▶ Quality and Reliability
- ▶ Individualized Mass Production
- ▶ Efficient Reconfiguration



People matter

People will be a success factor

- ▶ Relief from strenuous and monotonous work
- ▶ Work with collaborative robots
- ▶ More coordinating and process improvement tasks
- ▶ Skill set focused on control and IT



Thank You



CO₂ neutral