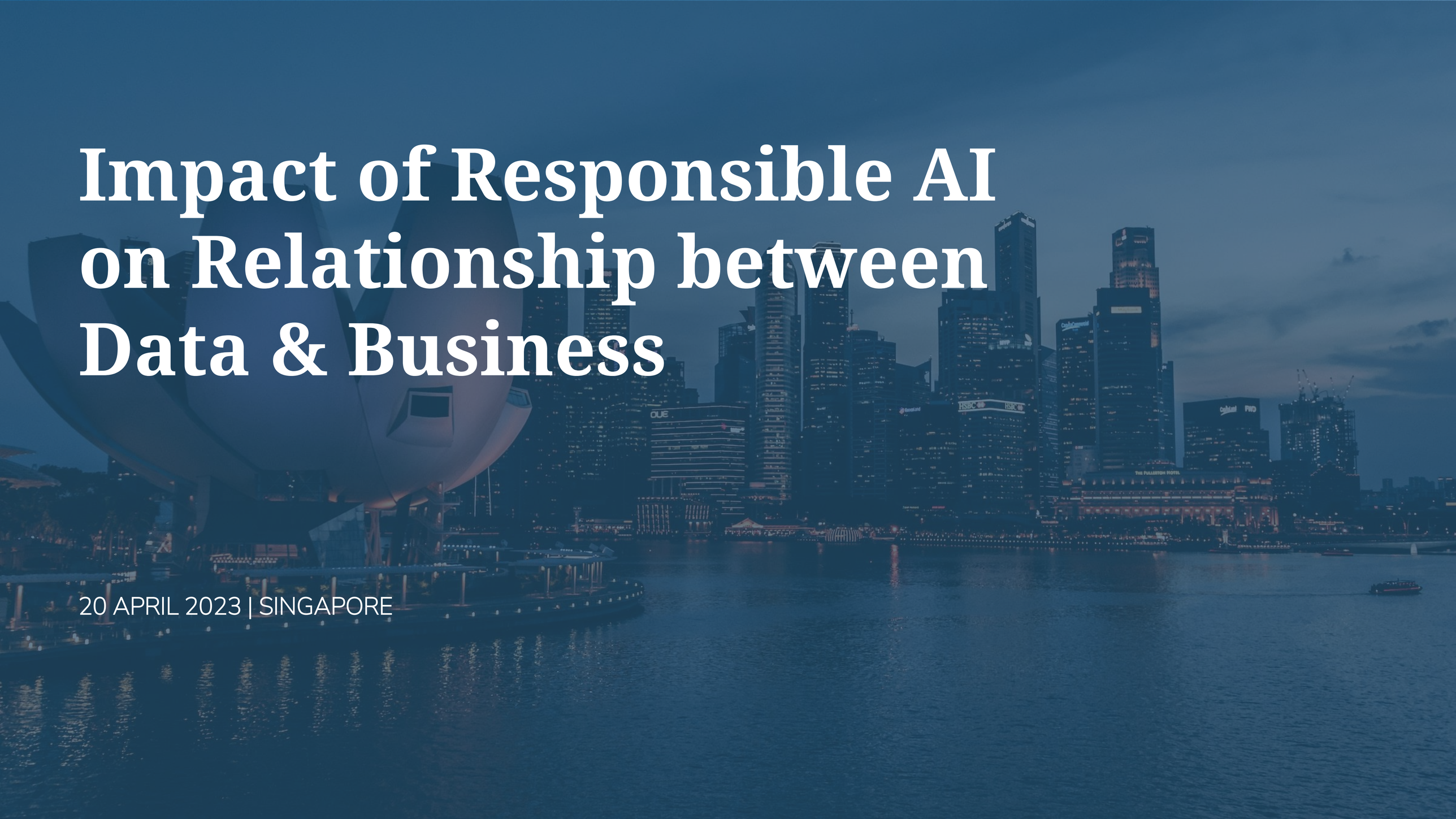
Impact of Responsible AI on Relationship between Data & Business



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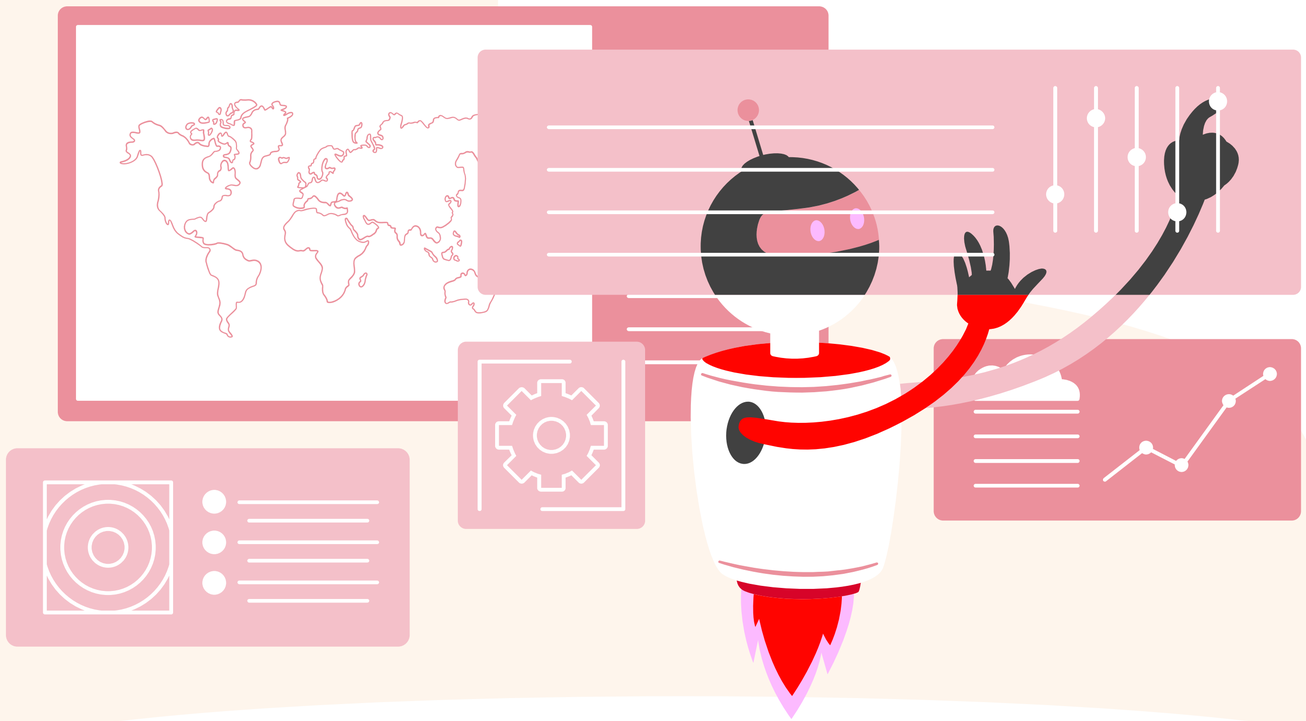
AI & Data

Decision Automation, Ethics & Operations



DECISION AUTOMATION

ETHICAL CONSIDERATIONS

OPERATIONAL SCALABILITY

DECISION AUTOMATION

The journey from decision support to decision automation

WHAT IS DECISION AUTOMATION

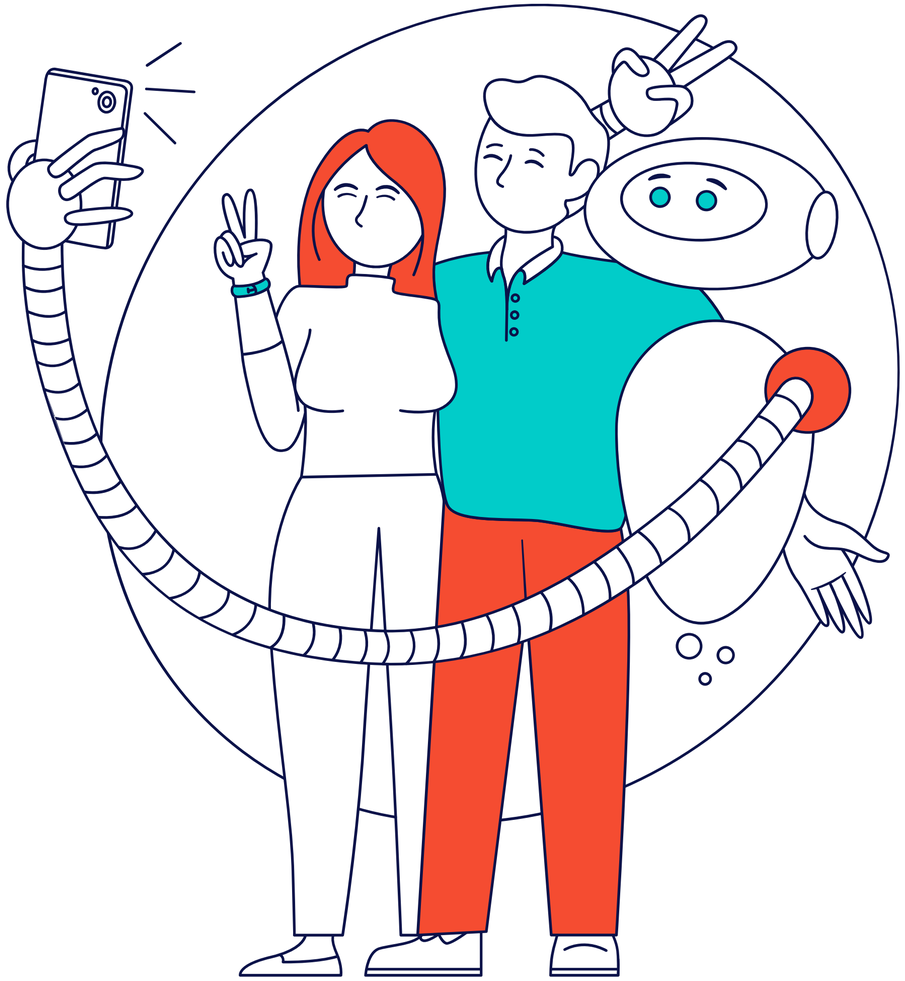
This involves the use of algorithms & intelligent systems to analyze data, make predictions, and ultimately automate the decision-making process.

KEY BENEFITS

This can help businesses make decisions faster and more accurately, while also reducing the potential for human error or bias.

POTENTIAL DRAWBACKS

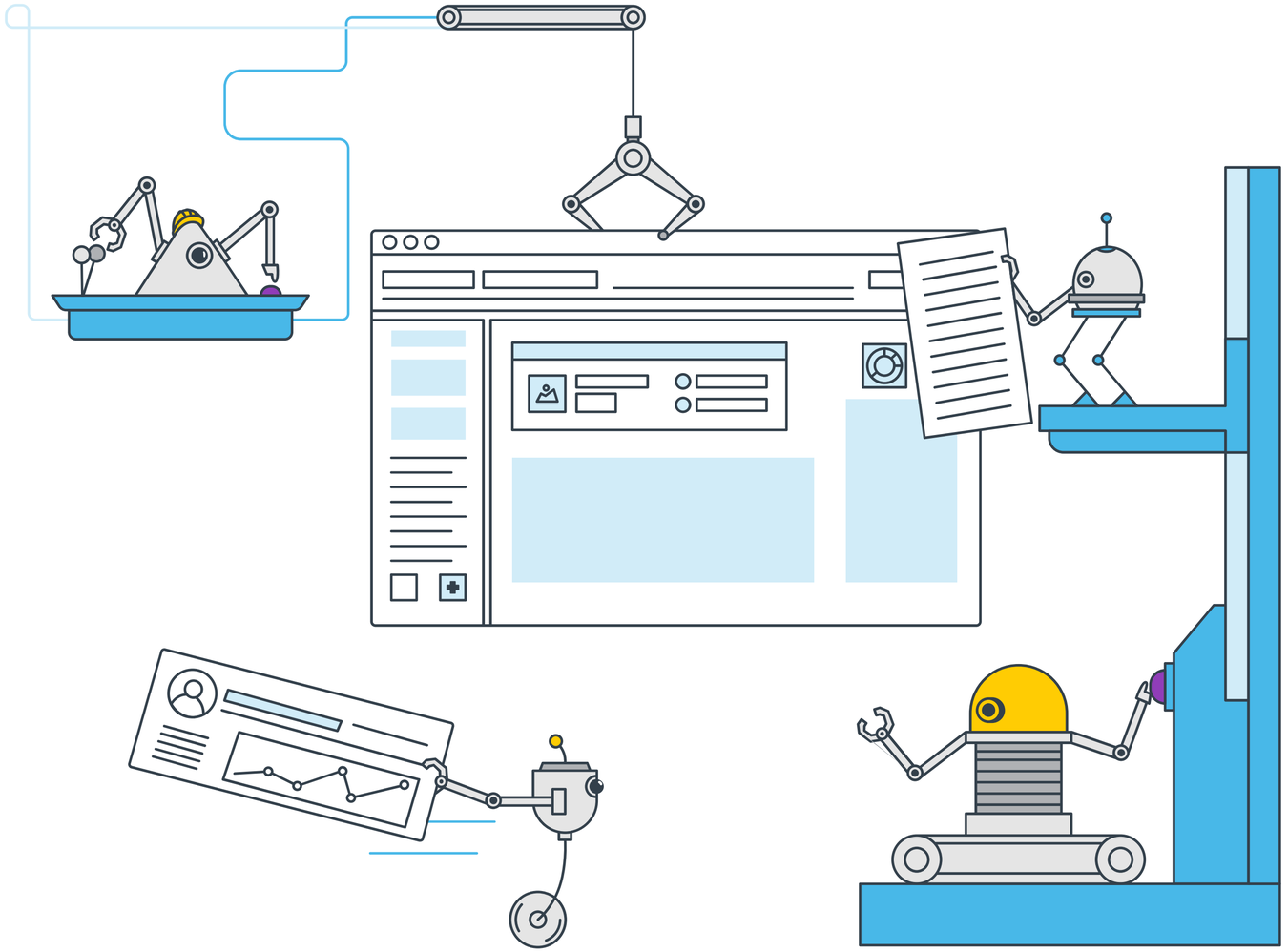
Inability to handle unique nuances of a particular situation, unable to handle unexpected or rare events, ethical concerns around automating certain decisions.



ETHICAL CONSIDERATIONS

Embracing Data Leader responsibility as an Enterprise AI leader

- TRANSPERANCY
- FAIRNESS
- ACCOUNTABILITY
- PRIVACY
- HUMAN OVERSIGHT



OPERATIONAL SCALABILITY

Operationalizing Decision Automation

DATA ANONYMIZATION

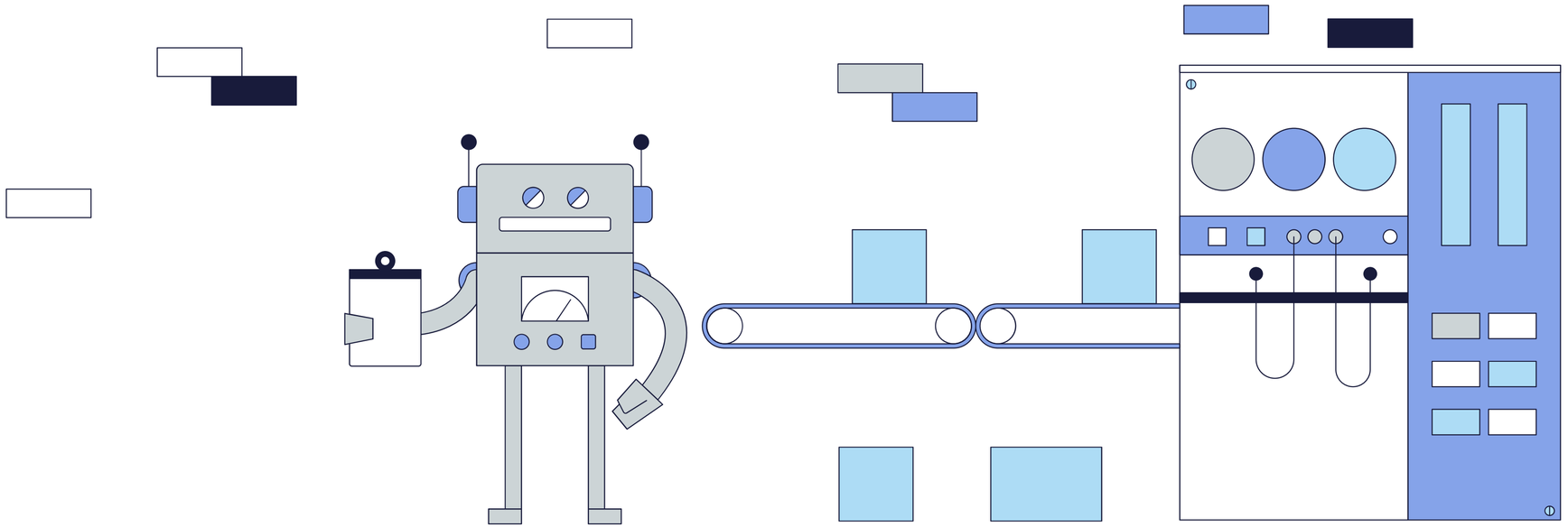
SECURE DATA STORAGE AND TRANSMISSION

DATA MINIMIZATION

ACCESS CONTROLS

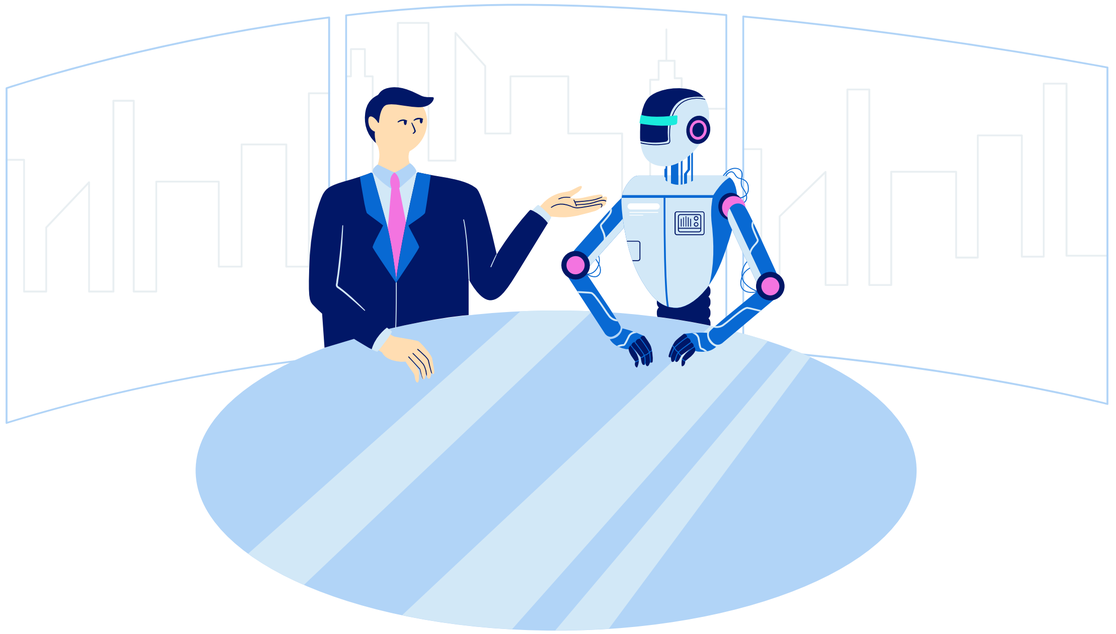
REGULAR AUDITS & RISK ASSESSMENTS

PRIVACY BY DESIGN



DATA ANONYMIZATION

Identifying Potential Pitfalls



A | Re-identification risk / Deanonymization

B | Reduction in Data Quality

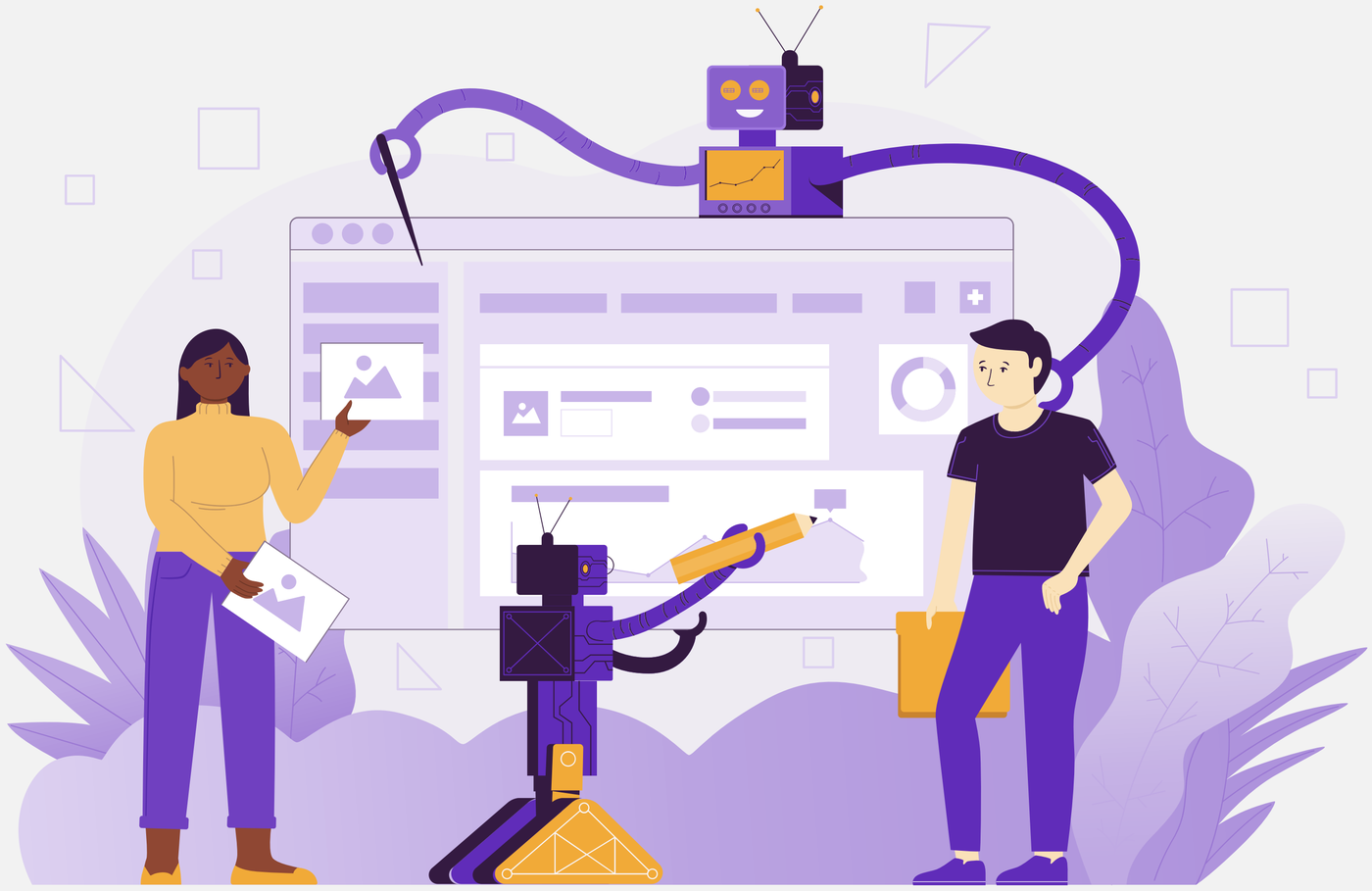
C | Incomplete Contextual Information

D | Inconsistent Algorithms across datasets

E | Legal and regulatory requirements

CDO/CDAO as Enterprise AI Leader

Embracing AI to move from Decision Support to Decision Automation



1. Develop an AI strategy
2. Establish governance structures
3. Foster a culture of responsibility
4. Build diverse teams
5. AI development and deployment

THANK YOU

GET IN TOUCH

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