



Automation



Robotic Process Automation

ICAJ

—

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Technology is at another major inflection point



Intelligent automation, AI, nanotech, biotech, cyber-physical systems, digital labor



The Information Age—
Electronics, IT, mass
communication,
internet



Division of labor,
electricity, mass
production

1800s

Steam, water,
mechanical
production equipment



The "4th industrial revolution" (cyber-physical systems) is beginning,
and its impact is profound according to the World Economic Forum founder, Klaus Schwab

The spectrum of technologies

Technologies range from basic automation to intelligent automation

ACT

like a human



RULES

Basic process automation

- Rules-based activities
- High volume
- Repeatable and standardized
- Structured data
- Transactional

LEARN

Enhanced automation

- Chat box activities
- Automated assistance activities
- Basic natural language processing activities
- Learning capability to improve service

REASON

Cognitive automation

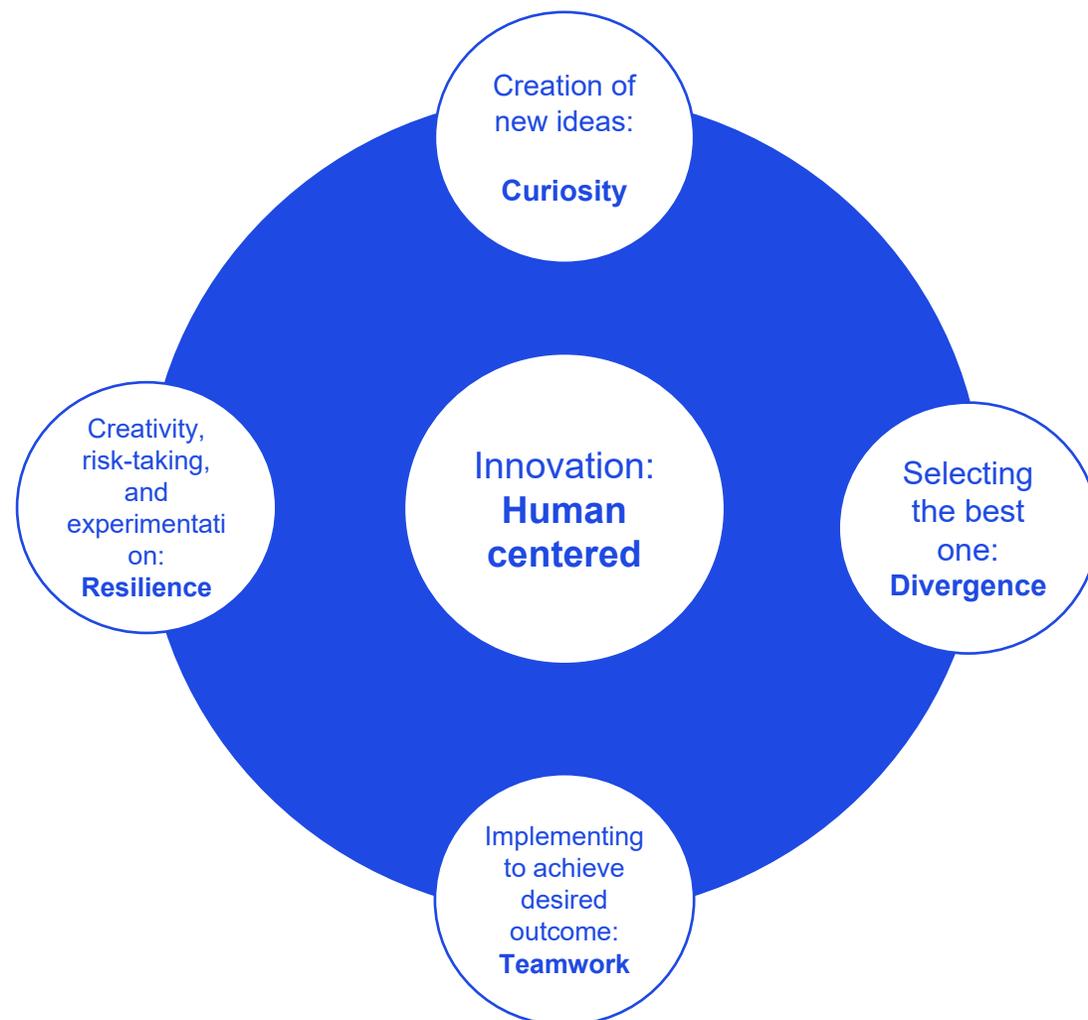
- Enhanced natural language processing activities
- Deep learning HR processes
- Recommendations based on synthesis
- Structured and unstructured data

THINK

like a human



Innovation and Technology



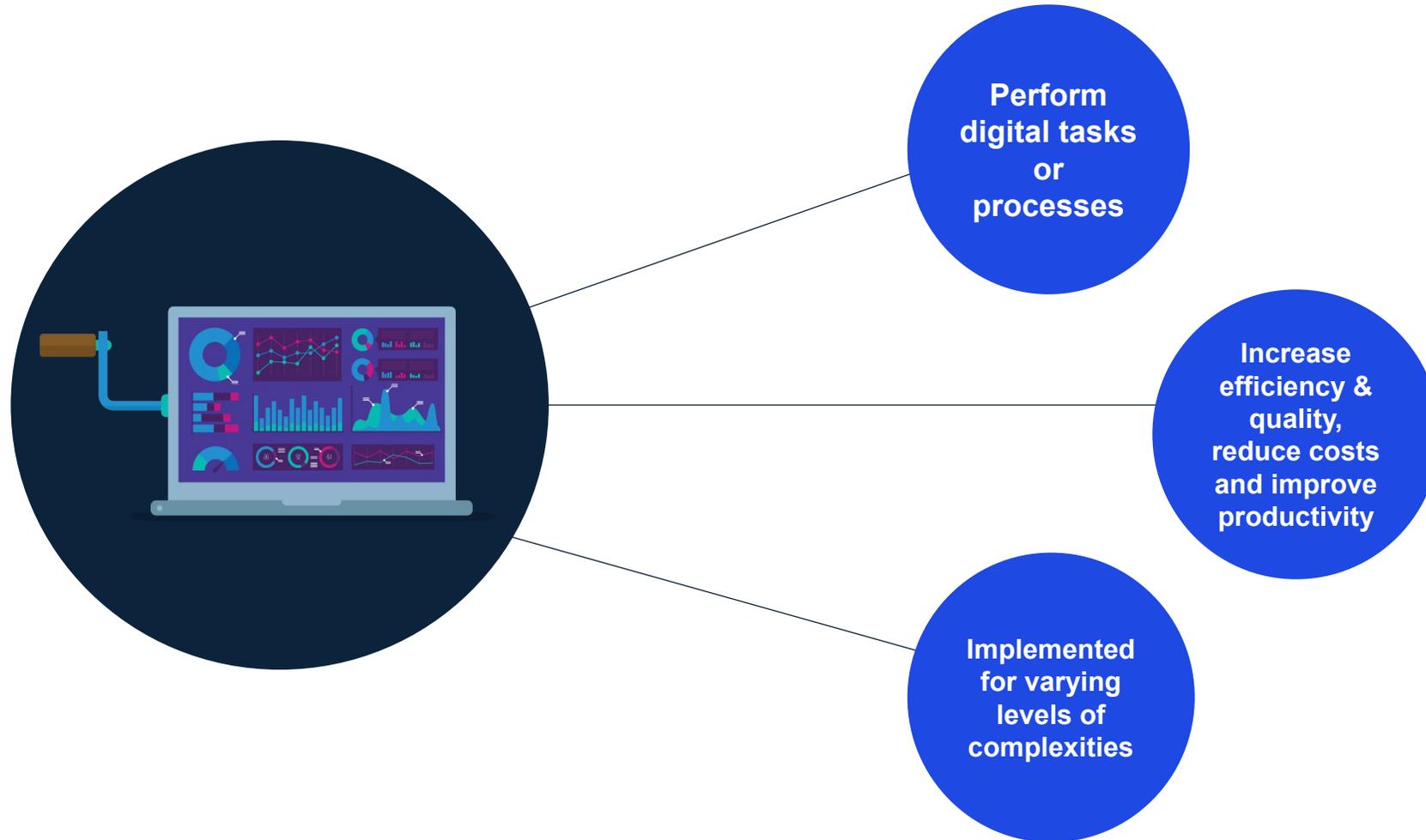
Technology

An object to be used:
Tool

Hardware or software:
Implement innovation

Cost reduction:
Scale

Automation in Audit & Accounting



Automation and Me

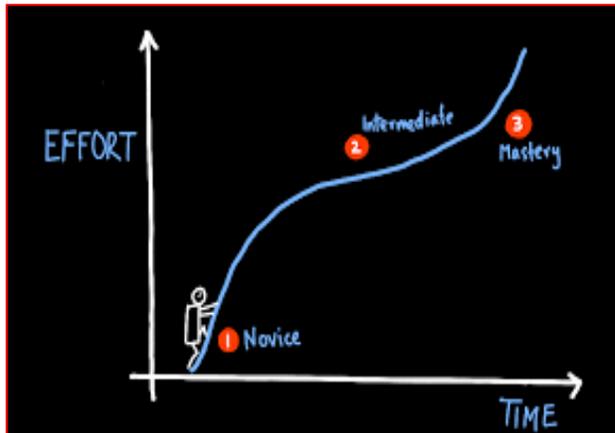
Learning new tools



Integration



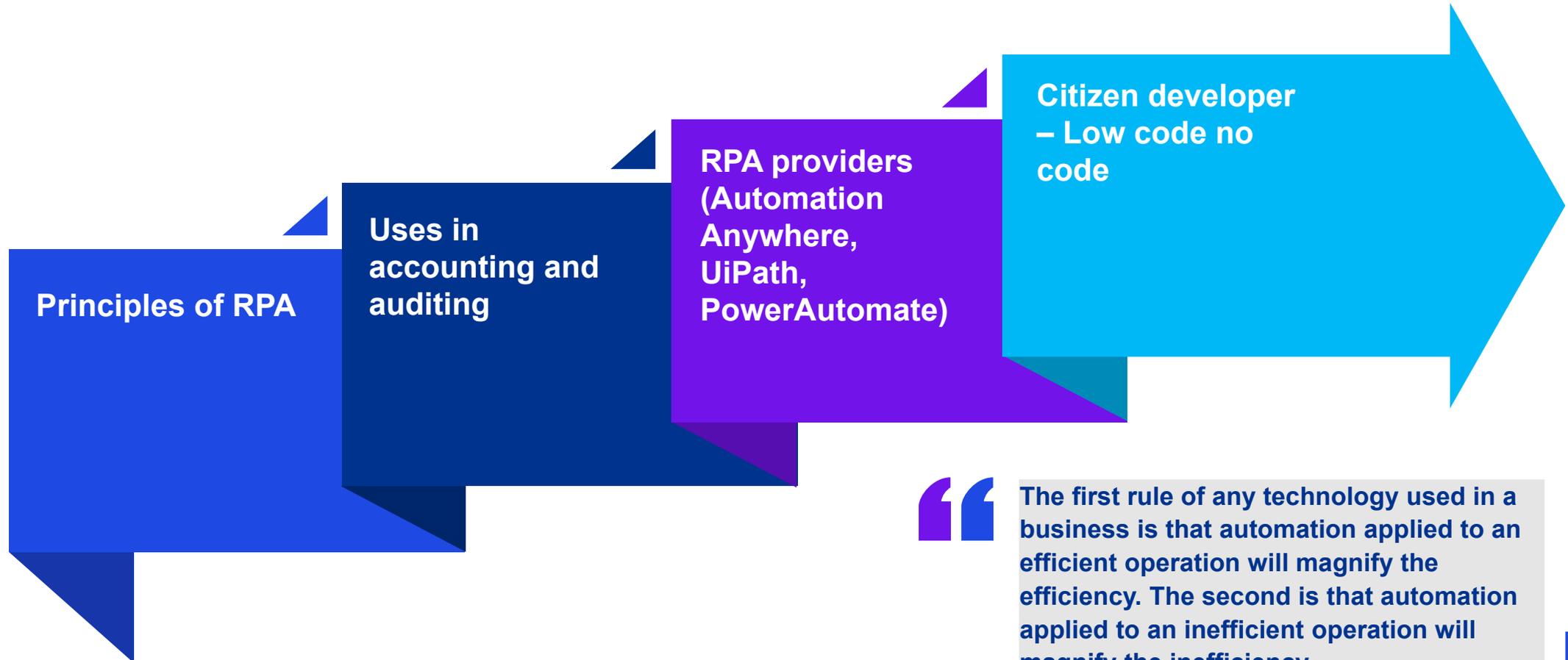
Learning Curve



Standing out

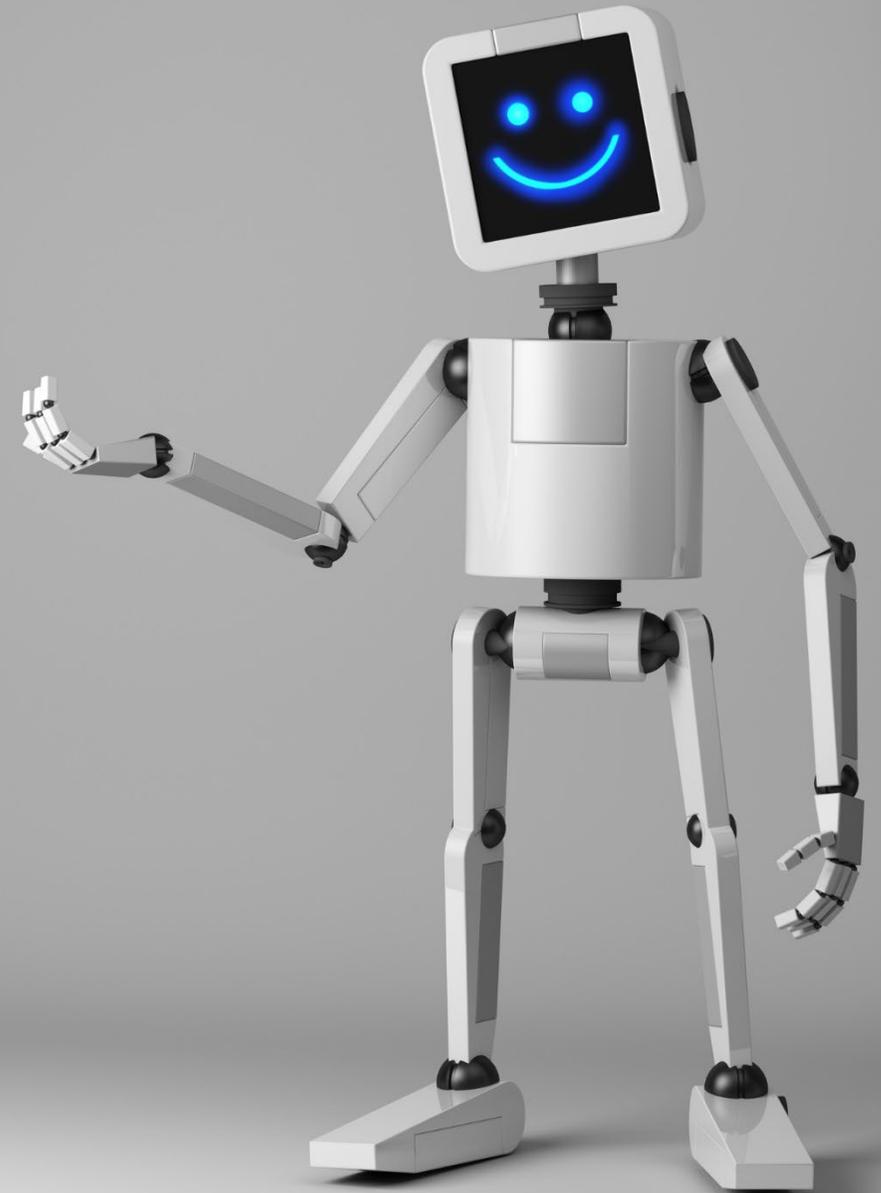
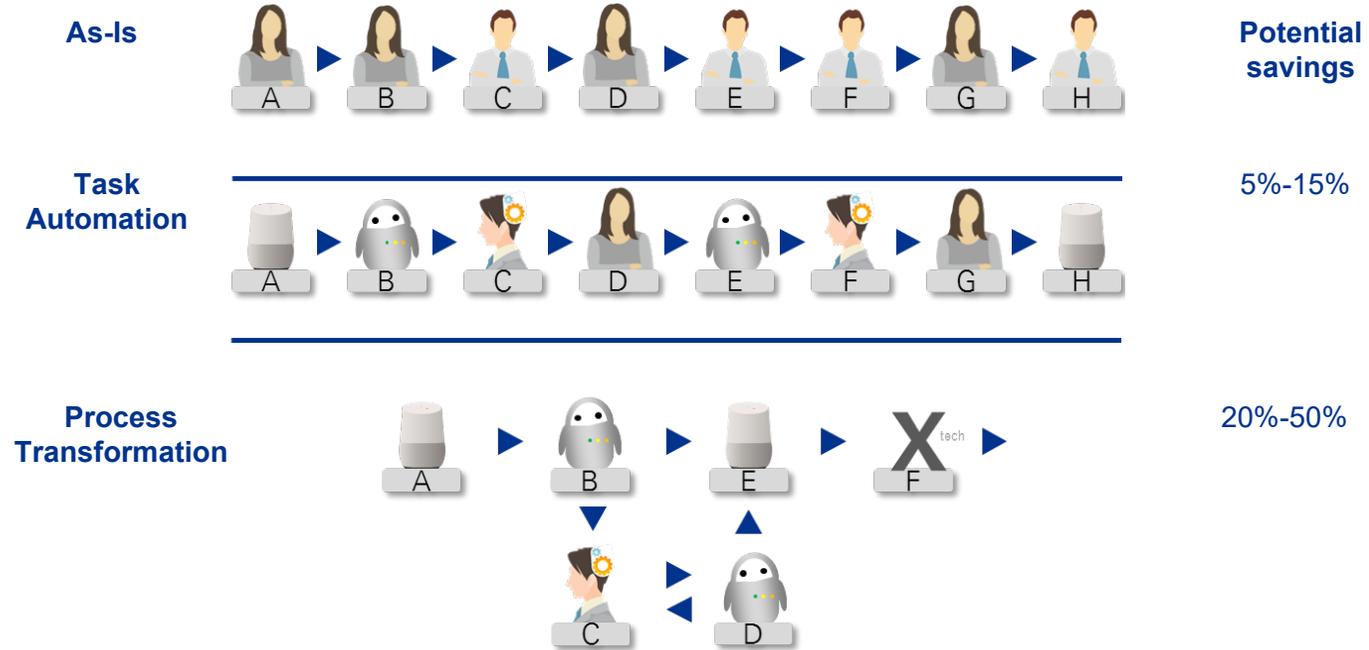


Robotic Process Automation (RPA) - Overview



“ The first rule of any technology used in a business is that automation applied to an efficient operation will magnify the efficiency. The second is that automation applied to an inefficient operation will magnify the inefficiency. ”
Bill Gates

Taking a Wider View to Automation



Example



AI – Chat GPT

Definition



Differences between RPA and AI



Benefits for accounting and auditing



Challenges and considerations



Use cases



RPA - Benefits

Efficiency, accuracy and compliance - Automate the boring stuff!

Data extraction, analysis and reporting – Work done during coffee break!

Example – Data Entry, compliance monitoring, review invoices



One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man.

Elbert Hubbard



Implementation



Example



Questions and comments



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