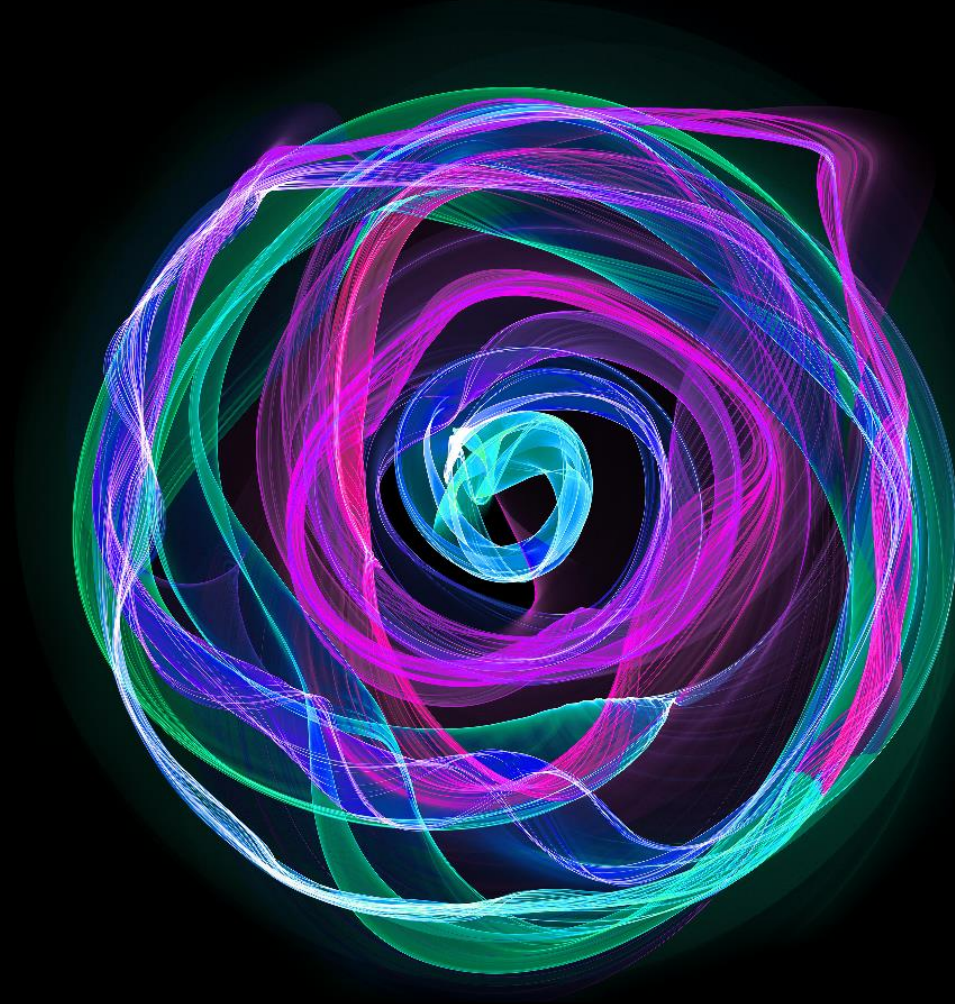


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Robotic Process Automation

16 March 2021

Agenda

1 Introduction to Robotic Process Automation

What is RPA?
Typical tasks
What can robotics do for me?
The role of RPA

2 Technology showcase

A simple robot
A complex robot
Semi-structured data extraction
Natural language understanding

3 Questions

Further questions



Introduction to robotic process automation

What is Robotic Process Automation (RPA)?

Introduction

- Robotic Process Automation (RPA) is a way to automate repetitive and rules-based processes.
- RPA software, commonly known as a 'robot', is used to capture and interpret existing IT applications to enable transaction processing, data manipulation and communication.
- The robots typically use dedicated logins to interact with different applications and systems in the same way as human teams.

R&CA Robots are...



Computer coded software



Programmes that replace humans performing repetitive rules-based tasks



Cross-functional and cross-application macros

R&CA Robots are not...



Walking, talking auto-bots



Physically existing machines processing paper

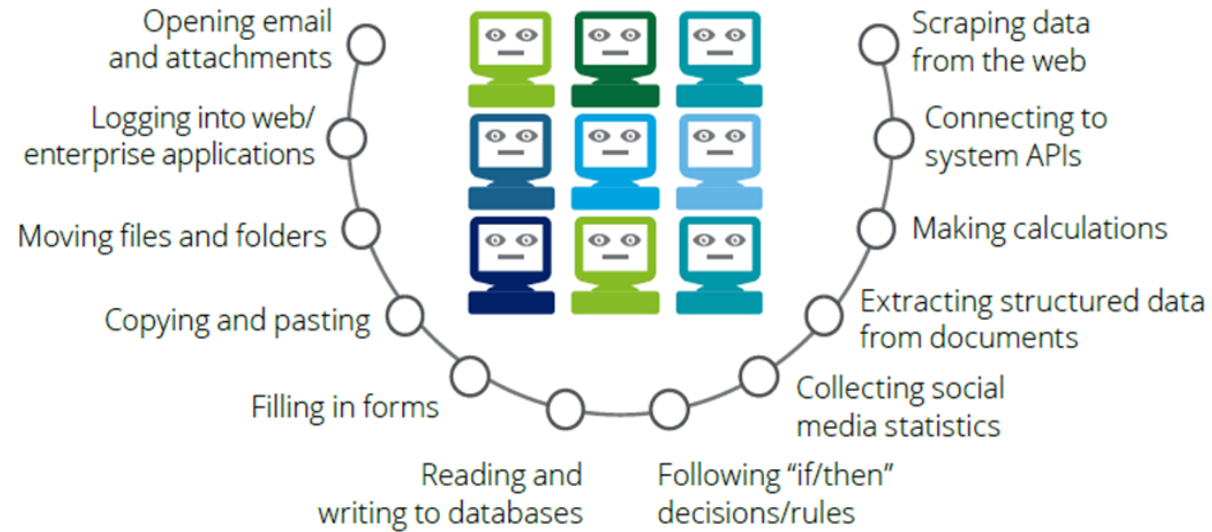


Artificially intelligence or voice recognition and reply software

What tasks can RPA perform?

Strengths of robotics

What tasks can RPA perform?



How do I identify good candidates for RPA?

Rules-based

Uses digital data sources

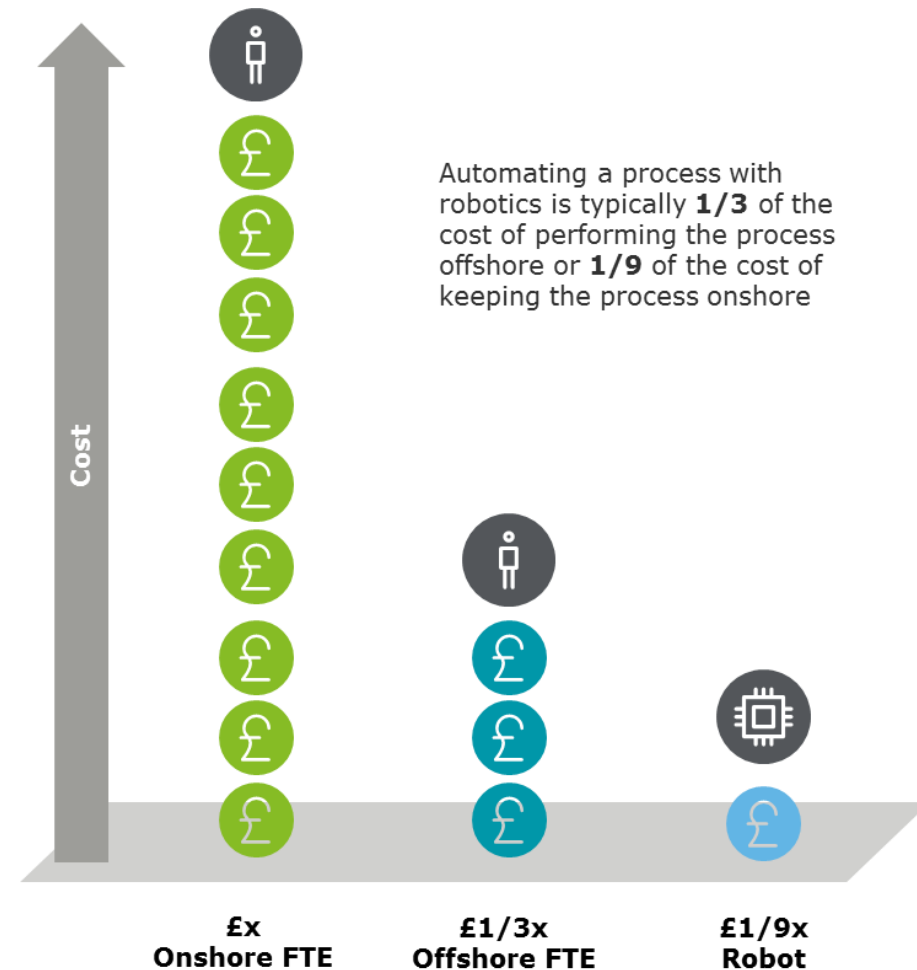
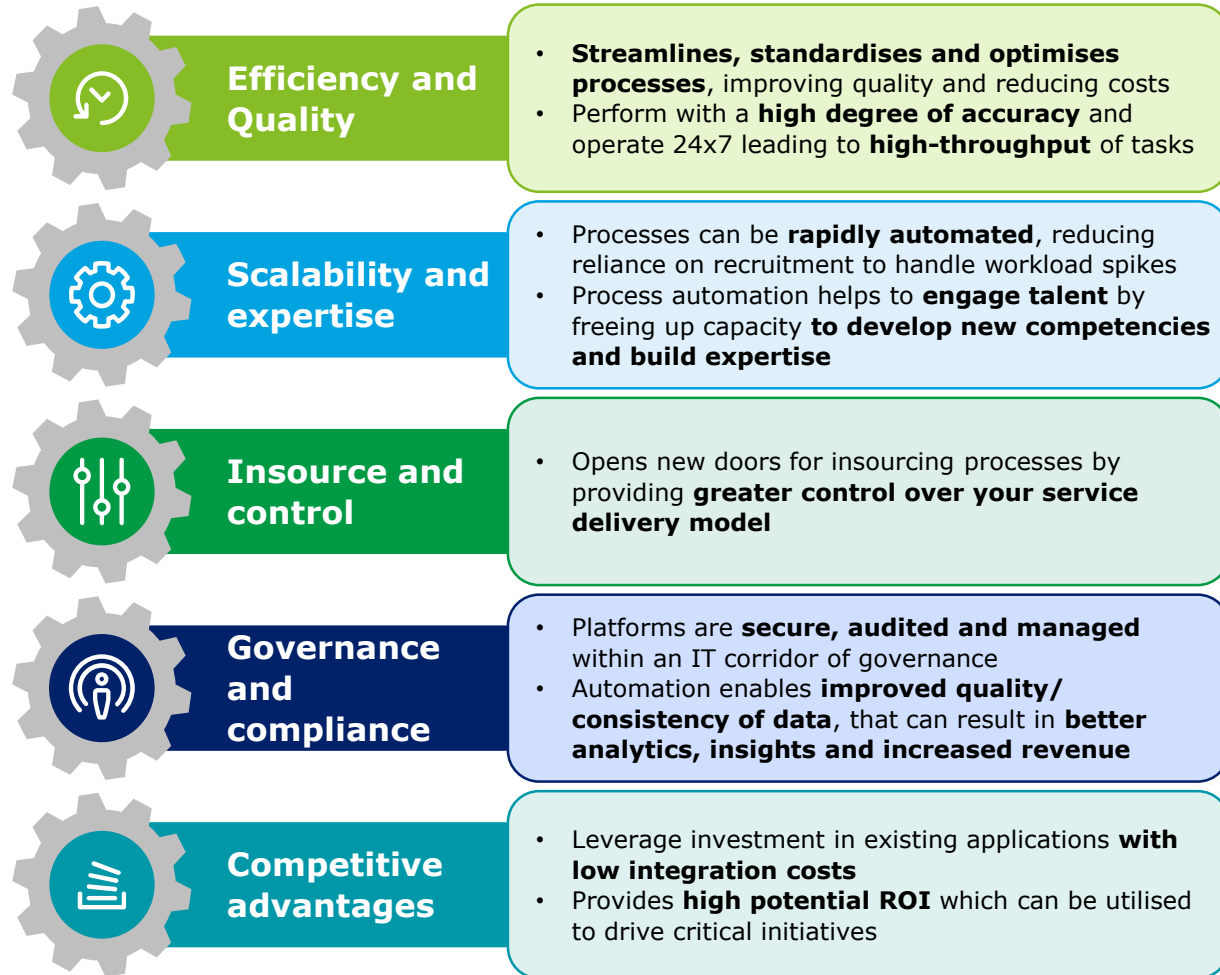
Sufficient scale

Prone to manual error

Same data across multiple systems

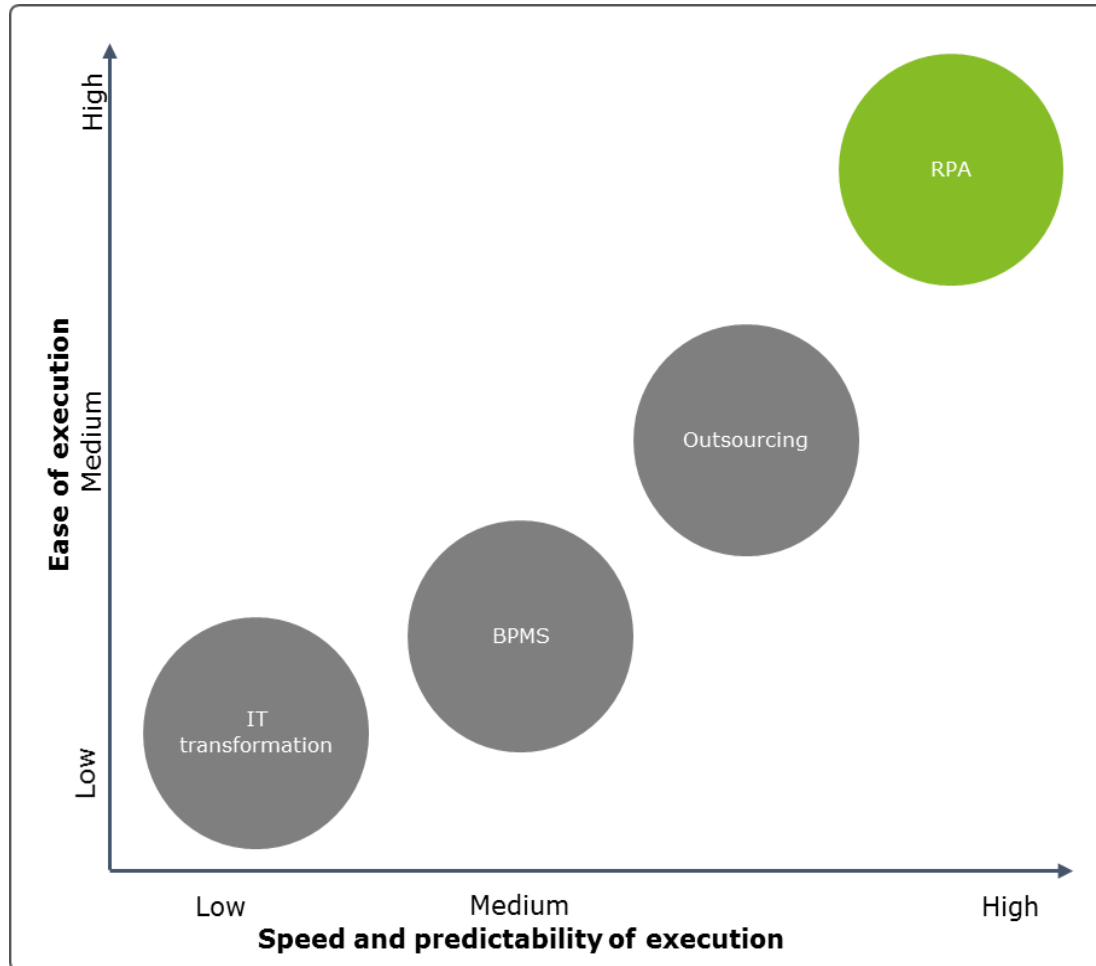
What can robotics do for me?

Understanding the benefits



The role of RPA

RPA in the wider scale transformation strategies



RPA projects can deliver automation of sub-processes or activities within **weeks rather than months** and they use a non-invasive approach that works with the existing user interface and security model to minimise the IT change impact

Typical use cases

Deliver **rapid process improvement** as a component of a transformation programme

Integrate new apps/web/self-service portals with **legacy systems**

One off processing due to a regulatory change, remediation activity or data migration

As a first step towards **end-to-end automation** with AI and Cognitive tools

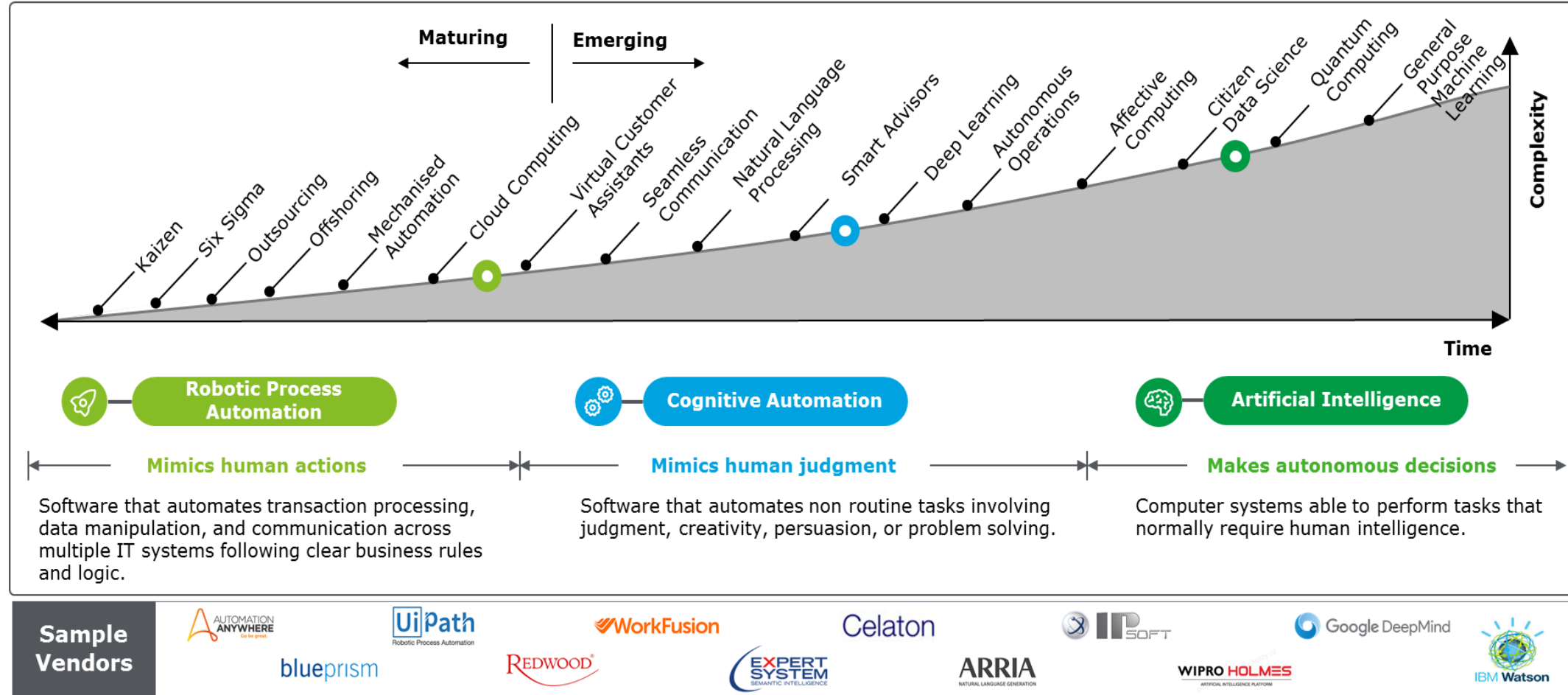
Document processing and communication (Invoice processing, on-boarding, customer management)

Back office / Offshore data entry tasks can be automated as '**low hanging fruit**'

Continuum of automation

RPA, cognitive automation and AI

There is a range of technologies available to drive efficiency and effectiveness, but the market is still emerging.



Technology showcase

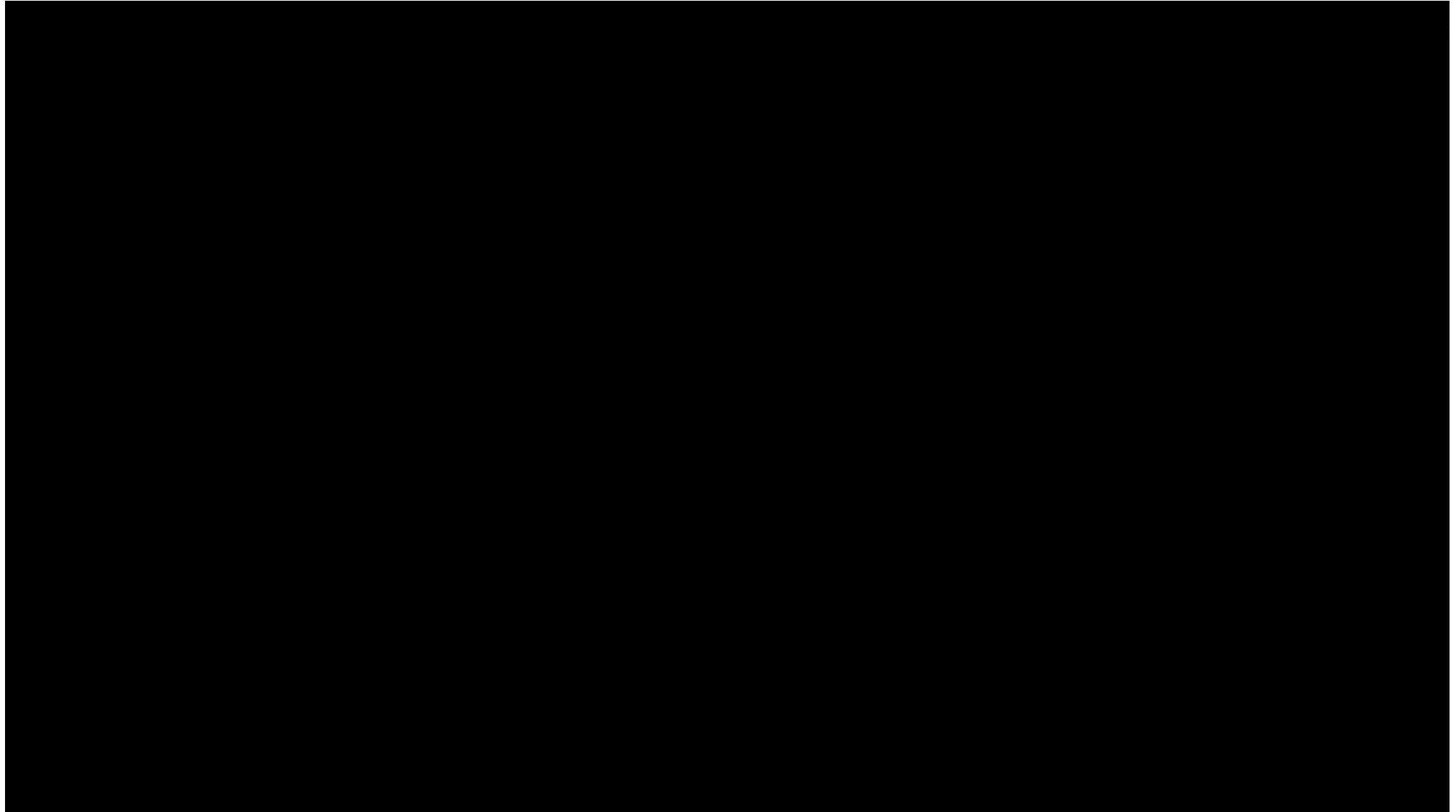
Technology showcase

Example 1 – A simple robot



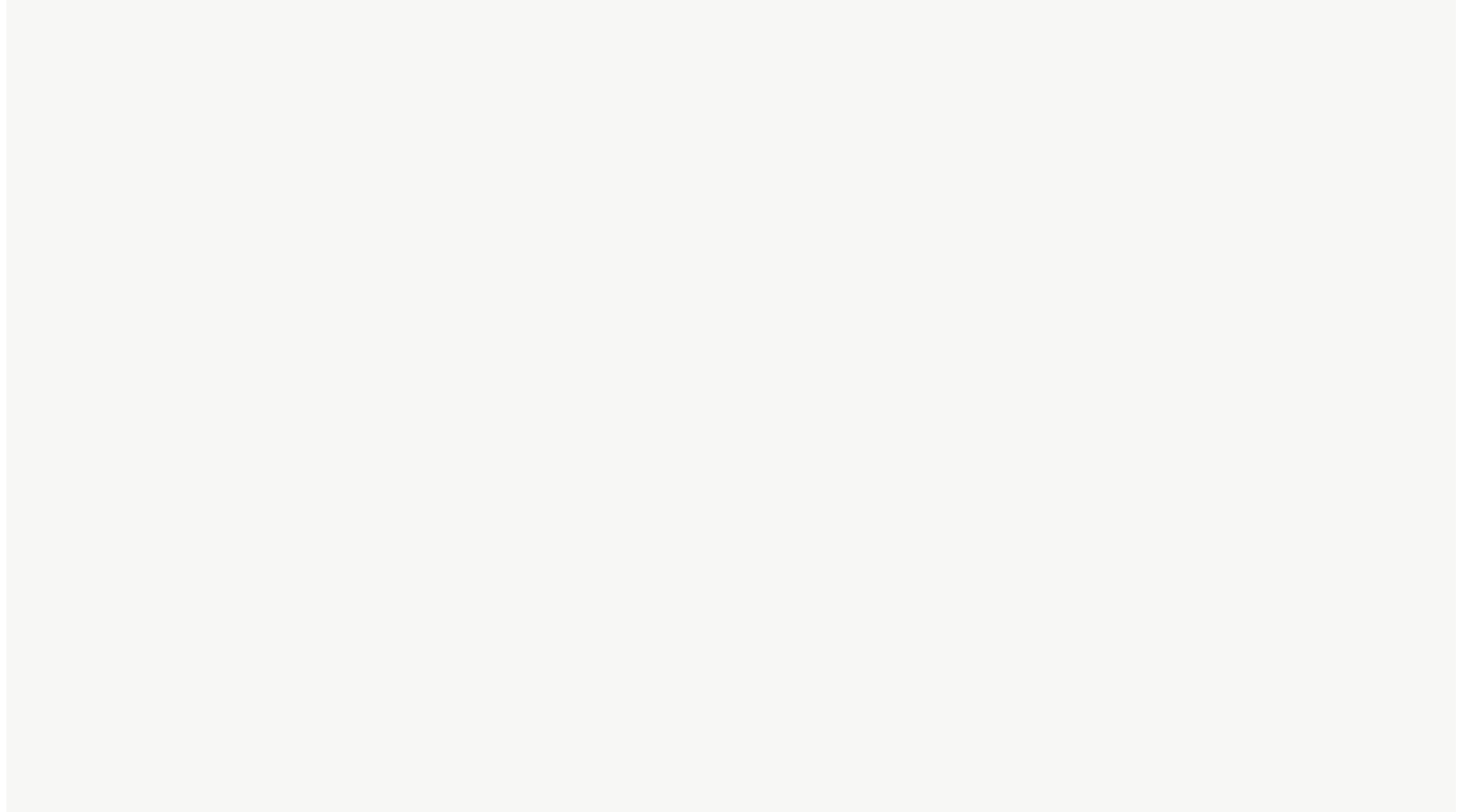
Technology showcase

Example 2 – A complex robot



Technology showcase

Example 3 – Semi-structured data extraction



Technology showcase

Example 4 – Natural language understanding

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Cogito
Classification
&
Extraction
Demonstration

Questions?



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