AI and Gen AI:
The new AML Superpowers

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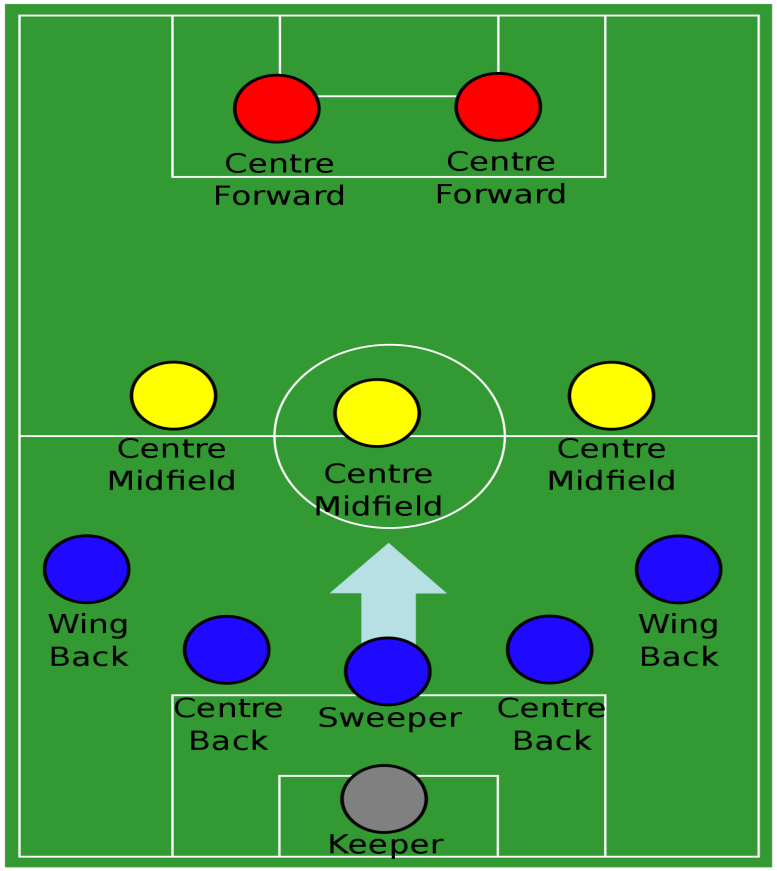
AGENDA

- **Understanding the superpowers of predictive and generative AI in AML compliance**
- **Practical use-cases in this superpower**
- **Where to next – the evolution of AI in anti financial crime**
- **Q&A**

Where to place Machine Learning?



It's not just about False Positive Reduction.

It's also about finding the unknown.

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Why predictive AI and gen AI?

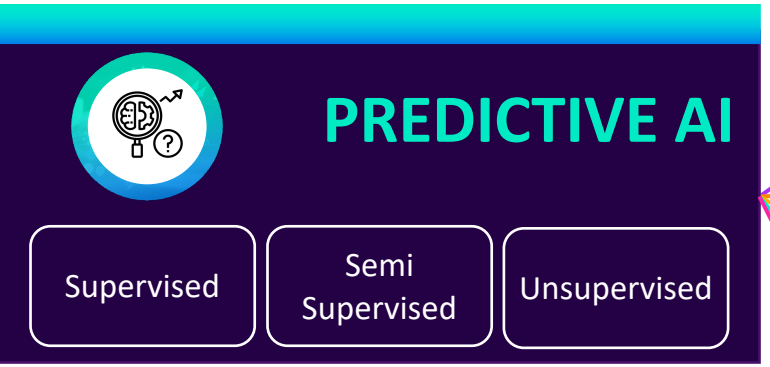
- Uses **advanced machine learning & data analysis techniques** to **forecast and identify potential instances** of illicit financial activities or fraudulent behaviour before they occur
- **Leverages historical data patterns, transactional information,** and various risk factors to proactively assess and **predict suspicious or high-risk transactions**

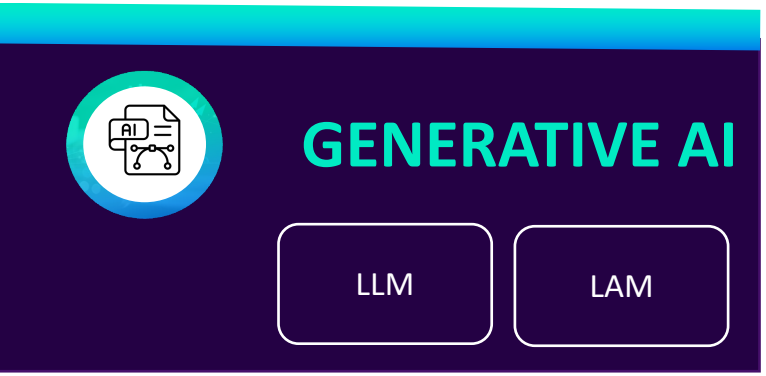
‘PREDICTIVE AI’

- Category of AI techniques that **generates new and original data and content**
- Uses **large language models** and **large action models** to **learn the patterns and structures** of existing data and then use this knowledge to create new data and content and ring this content to the forefront for easy consumption.

‘GENERATIVE AI’

How the superpower works





------ Capability ------

- **Process & interrogate** *vast amounts of data*
- **Automate** *processes, workflows, responses*
- **Identify** *patterns & behaviours*
- **Predict** *using historic data, actions, newly found patterns*
- **Collate, Search, Retrieve** *data from internal & external sources*
- **Generate** *text, store files, notes & narratives*

------ Value / Benefit ------

- **Reduce** *false positives*
- **Increase** *productivity & outcomes quality*
- **Decrease** *costs and time spent on tasks*
- **Enhance** *risk assessment and alert triage*
- **Create** *case summary notes, reports & narratives*
- **Present** *holistic views*
- **Surface** *threats and new risks*
- **Prompt** *next actions*
- **Summarise** *customer & transaction information*
- **Draft** *disclosure narratives and reports + auto submit*

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How the superpower works

PREDICTIVE AI

- Supervised
- Semi Supervised
- Unsupervised

GENERATIVE AI

- LLM
- LAM

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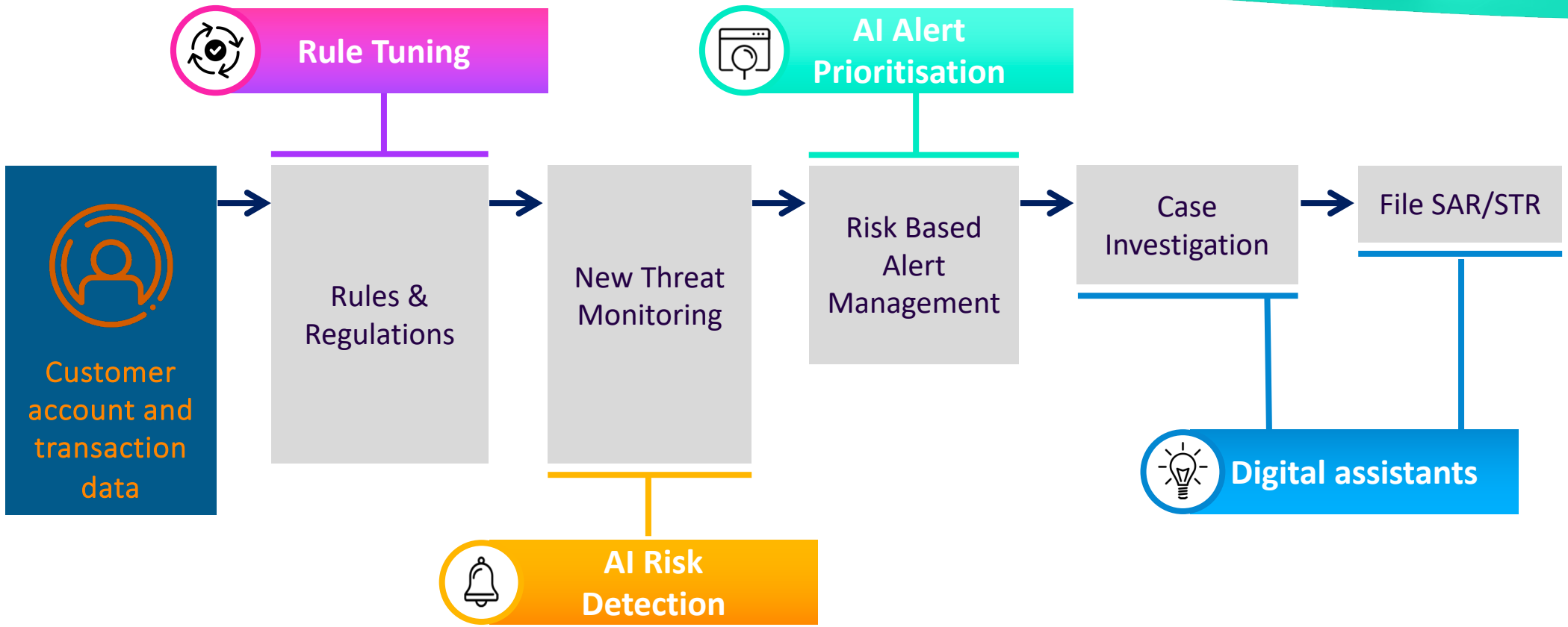
Predictive and Gen AI Example Use Cases

Transaction Monitoring



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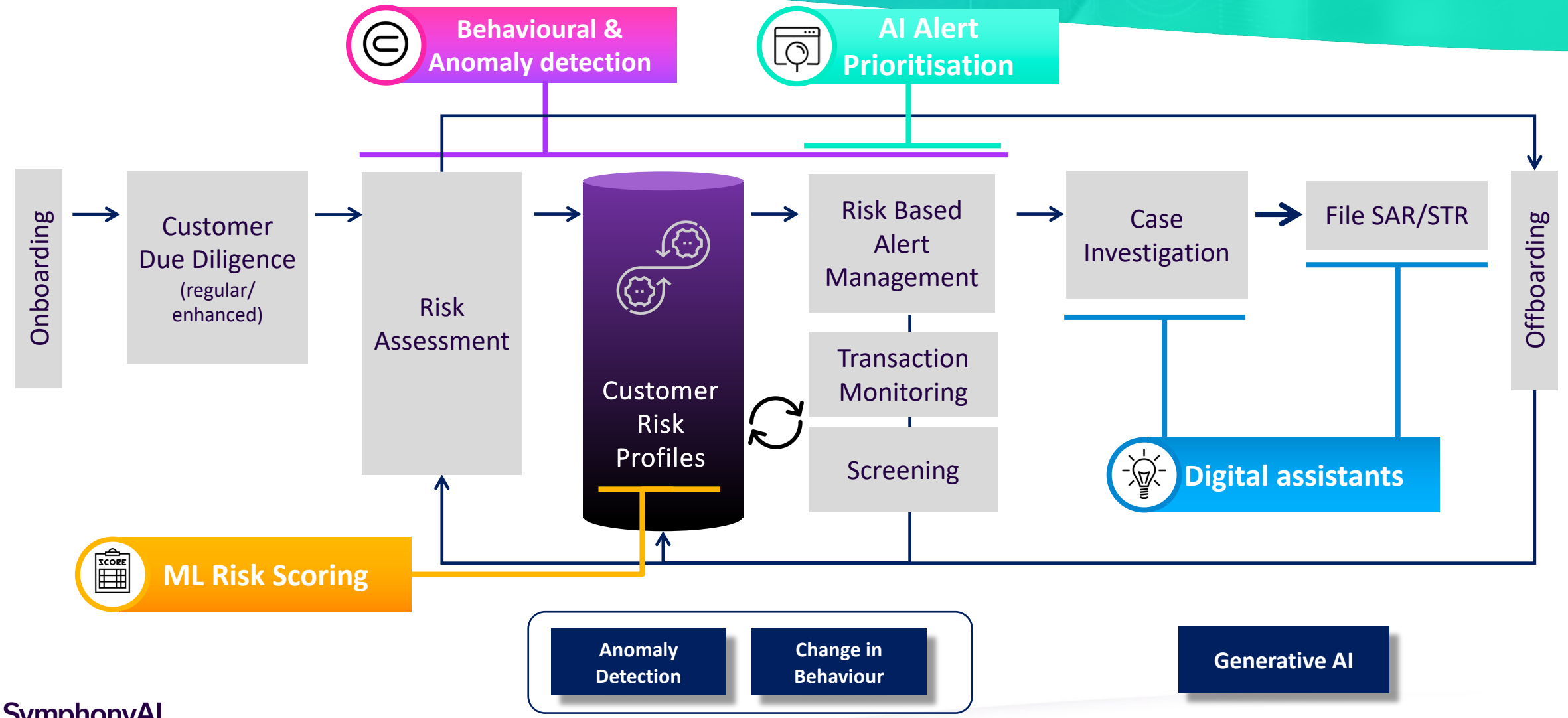
Predictive and Gen AI Example Use Cases

Dynamic Customer Risk Profiles



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Where to next

AI EVOLUTION CONTINUES

DETECT ALL GENUINE RISK + DRIVE EFFICIENCIES + ENHANCE AGILITY + DRIVE COLLABORATION

AML
(TM, KYC/CDD, Screening, Sanctions etc)
Fraud

Digital Assistants

AI Forensics

Intelligence Sharing

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SENSA-NETREVEAL

A single, enterprise-wide solution for all your investigative needs

Sensa Investigation Hub is detection agnostic and configurable to any use case, business unit, or asset class

Introducing

Sensa Investigation Hub

powered by generative AI

Accelerates investigations by ~70%

Works seamlessly alongside your existing solutions

Entity-centric investigation

Enterprise-wide risk management

Auditable decisioning and reporting

Confidential and Proprietary

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Q&A

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Panel Discussion

- What steps need to be taken to enhance oversight and reporting systems to meet the required standards?
- Is increased collaboration between financial institutions and regulatory authorities deemed essential?
- Is it possible for strong AML systems to mitigate emerging threats while maintaining high standards of customer service?