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### Third party risk management overview

### Context

The need for efficient operations and risk management puts immense pressure on organizations.

Increasing efficiency while reducing cost has forced organizations to rely on numerous vendors to meet their business objectives.

Third parties can include vendors, partners, contractors or service providers that supply materials, software and tools to the organization.

### Types of risks associated with third parties



### Financial risk

Third party services impair revenue-generating processes.



### Reputational risks

Third-party relations cause controversy that can negatively impact public opinion.



### Technology/IT risks

Third party increases an organization's exposure to cyberattacks, data breaches and disruptions of communications.



### Regulatory/compliance risks

Third party fails to comply with laws, regulations and with internal policies.



### Operational risks

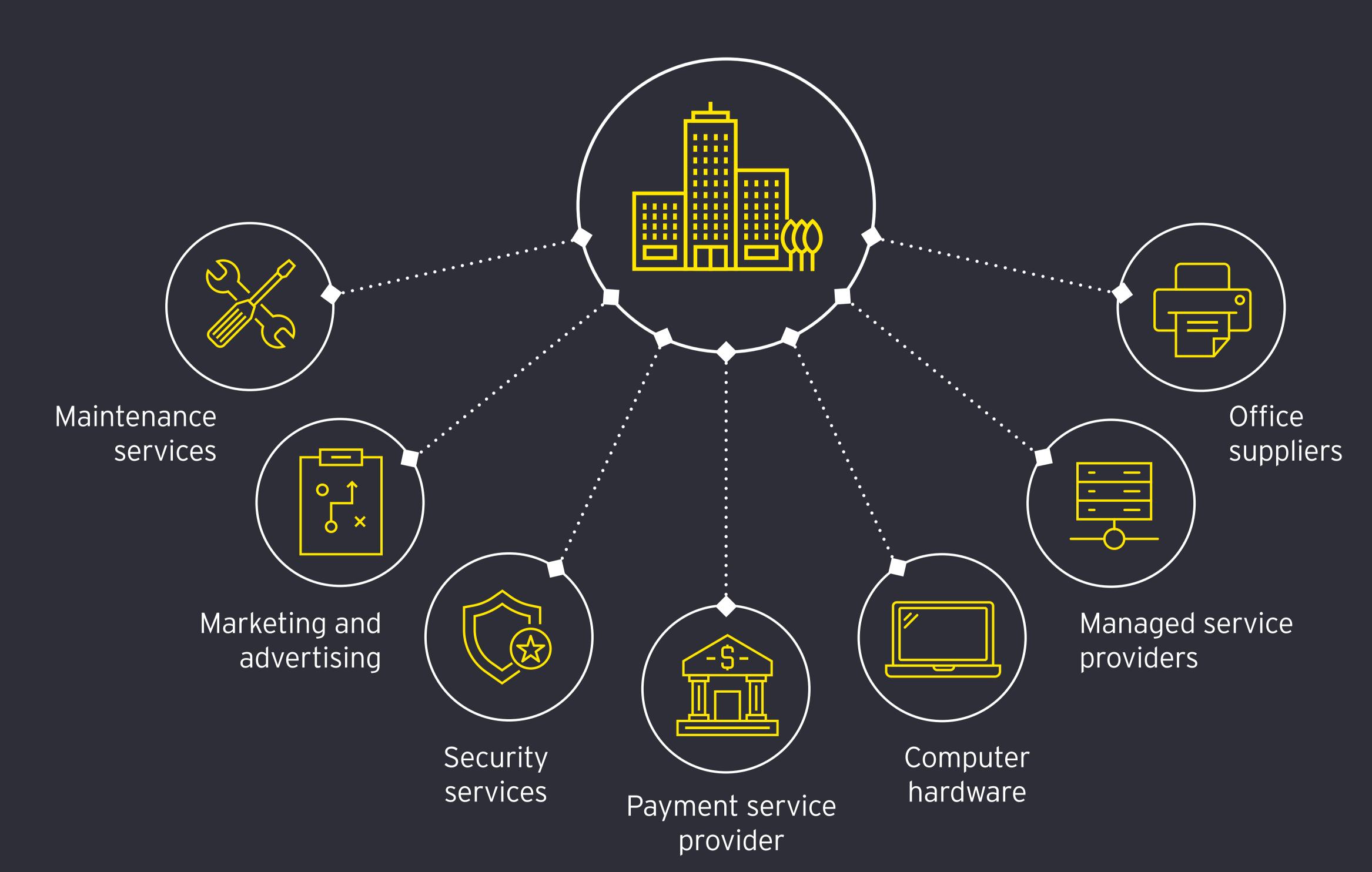
Third party's poor performance disrupts operations.



### Strategic risks

Decisions made by a third party can disrupt an organization's strategic goals.

### Third parties

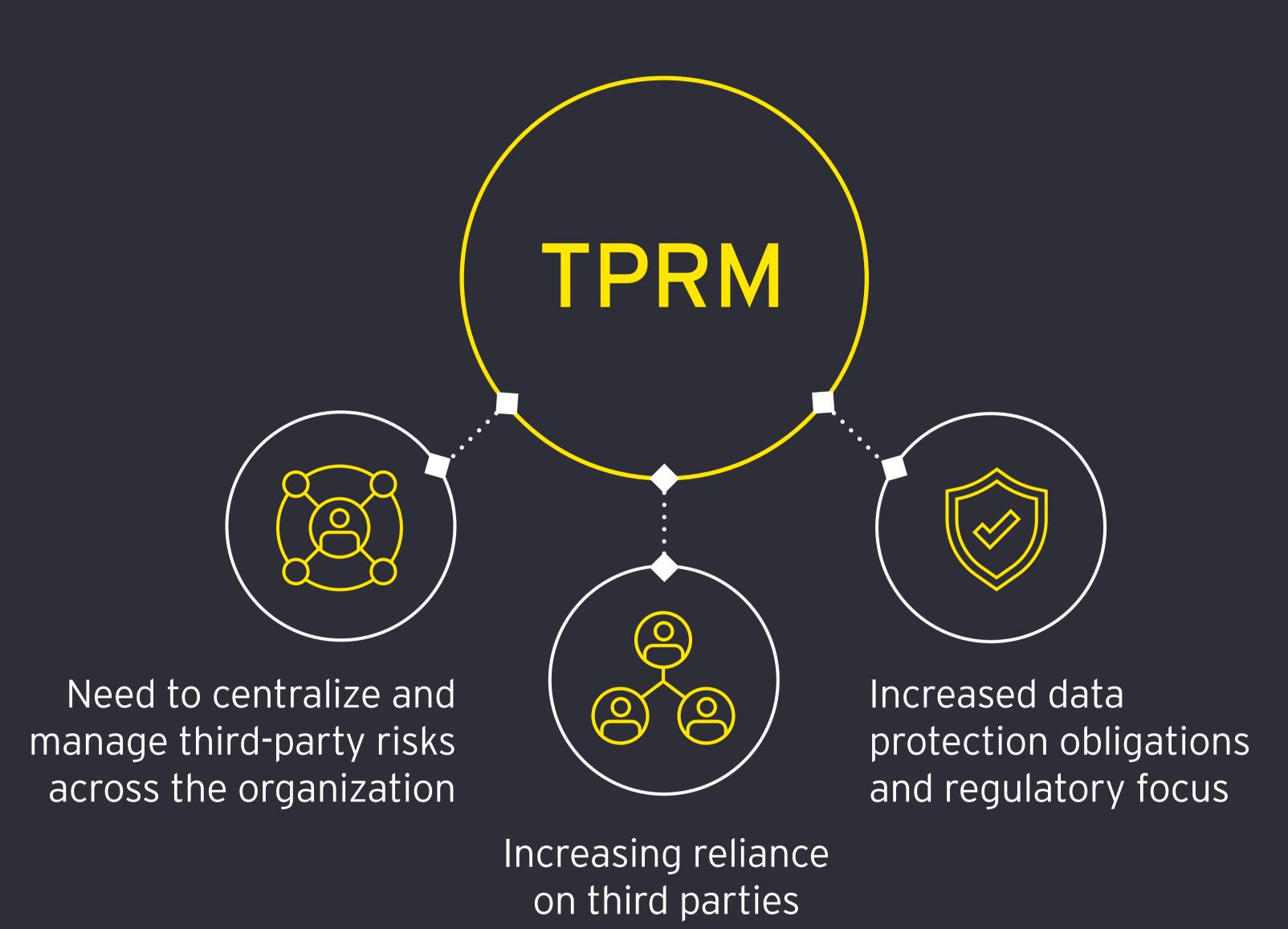


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# Third-party risk management trends and themes

Third-party risk management (TPRM) provides a function for management to identify, evaluate, monitor and manage the risks associated with third parties (e.g., third parties/suppliers, intercompany relationships and fourth parties).

### Key drivers for TPRM

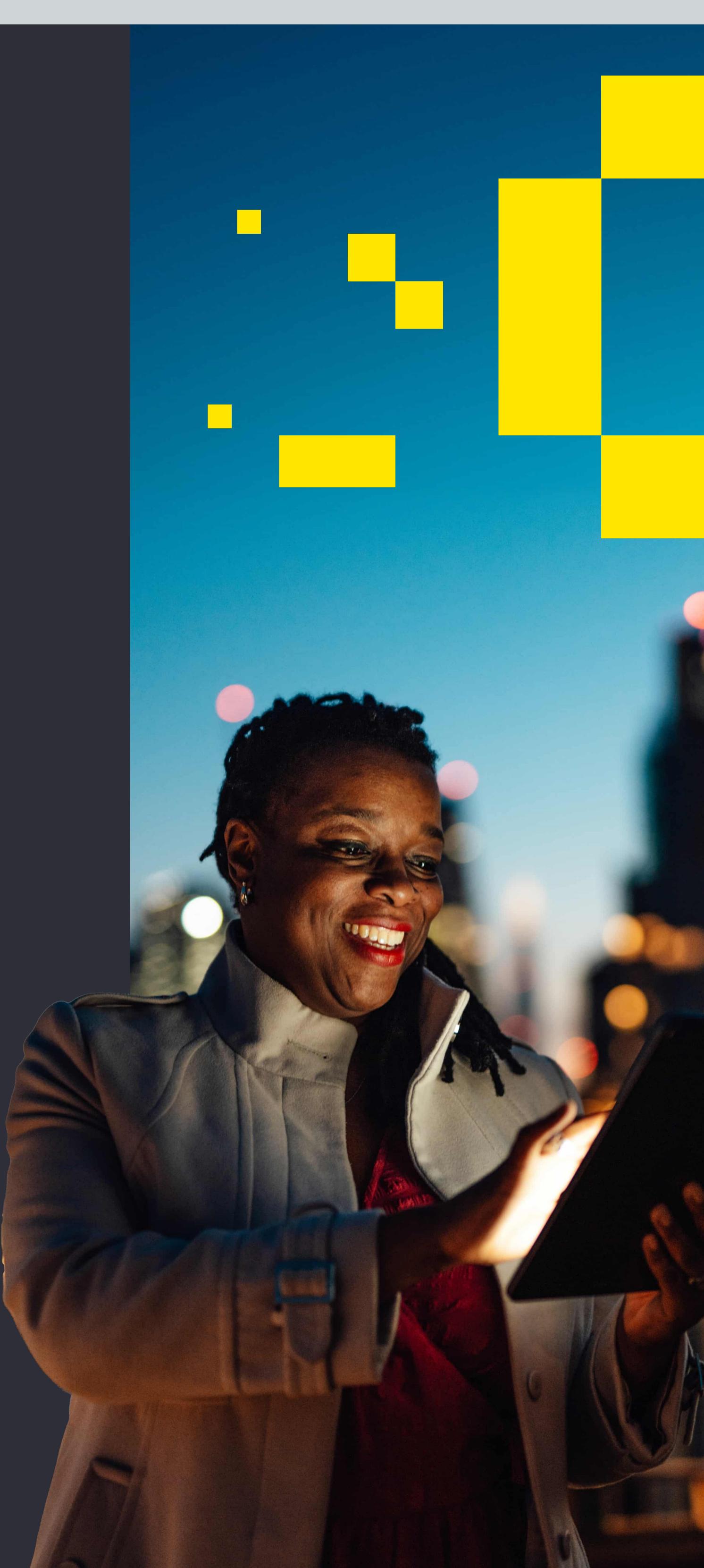


### Benefits of TPRM

- ☑ Proactive management of external risk landscape
- Strategic enabler
- Governance of emerging third-party risk
- Greater risk insights to drive performance

### Industry and regulatory themes for TPRM

- Third-party population Organizations continue to enhance their methodologies to better scope, assess and prioritize risks of third parties.
- Technology As investments in TPRM technology platforms continue to rise, integration with other tools has not kept pace, often requiring manual updates to third-party inventories when a new service is added.
- Operating model Organizations are developing more centralized organizational structures aligning to the Three Lines of Defense model (3LoD).
- Oversight and governance Increased focus on effective third-party risk management reporting provides transparency and accountability, and drives reduced risk while enabling strategic initiatives, driving further reliance on third parties.
- Fourth-party management Focus continues on fourth-party risk, with most organizations relying on their third parties to manage/ mitigate respective risks.



# Adoption and enhancements of TPRM programs

With the backdrop of continuous innovation and evolving regulations, third-party risks have become increasingly prevalent. Therefore, many organizations are re-emphasizing the importance of effective third-party risk management (TPRM).



of organizations report that delays and lack of coordination between internal stakeholders and TPRM are their top pain points.

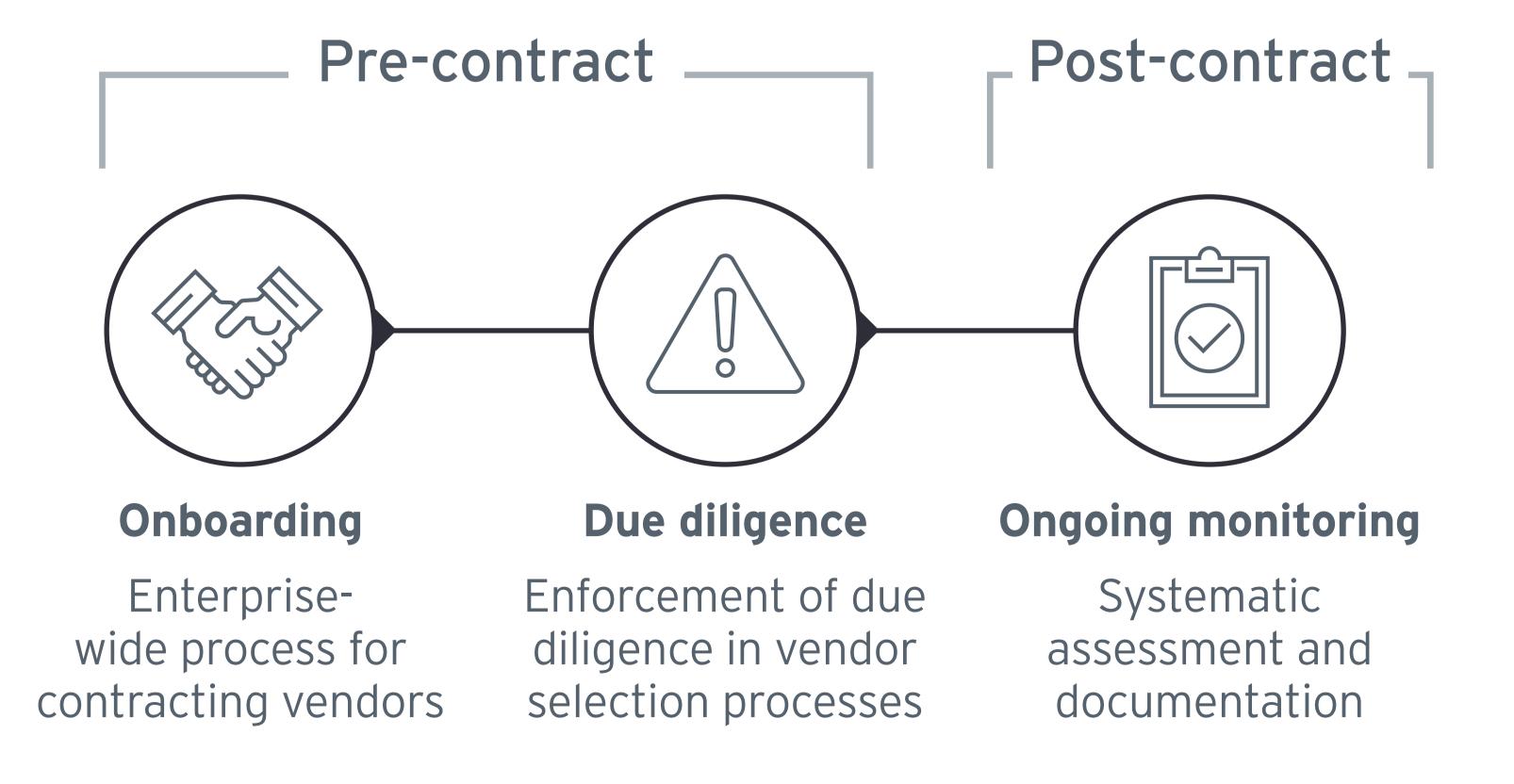


of organizations have directly invested in TPRM programs, improving reporting, deepening understanding of risks and aligning skillsets.



of organizations plan to integrate external data providers and automation to better manage inherent risk assessment in the next 2-3 years.

### Primary components of TPRM lifecycle



A risk-based approach enables organizations to focus on higher-risk third parties and reduce cost/effort associated with lower-risk relationships.

### Risk profiling

#### Fewer third parties in higher-risk tiers

Organizations are making progress in segmenting risk associated with third parties, focusing on truly high-risk third parties.

#### More organizations identify critical third parties

Critical third-party listings enable the organization to focus on the critical failure points that demand additional levels of evaluation, reporting and oversight.

### Agreement on definition of critical third party

The majority of organizations continue to agree that the potential to impact critical business processes and sensitivity of information involved in providing the service should be used to determine the criticality of third parties.



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# Al can increase efficiency and effectiveness in addressing the challenges of TPRM adoption

Adoption of a TPRM program comes with its challenges.

Complexity and scope
The assessment of the

The assessment of the wide range of risks associated with third parties can be overwhelming, especially for large organizations with complex supply chains. The differentiation between critical and non-critical vendors requires significant effort.

The collection of authentic, accurate and comprehensive data from third parties is a labour-intensive process. The centralization of information obtained from various sources to create a unified view of third-party risk requires significant resources.

The compatibility of TPRM tools and platforms with existing IT systems is a key aspects of the TPRM program. The alignment of TPRM processes with the organizations overall risk management framework can pose significant hurdles.

A robust TPRM program requires considerable commitment and resources from the organization, which include investments in technology, tools and personnel.

Continuous monitoring

Continuous monitoring is a pillar of any TPRM program. The implementation of ongoing monitoring and periodic reassessment of third-party risk are labour- and time-intensive processes involving long questionnaires.

Al can address the various challenges faced by TPRM programs.



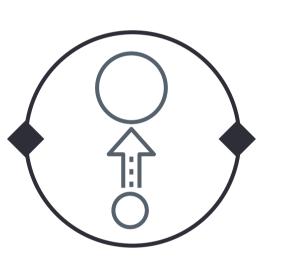
### Handling large amounts of data

Al can handle large amounts of data, ranging from assessment and continuous monitoring to external risk data.



### Greater confidence in decision-making

Al can support and validate decision making processes thereby aiding the risk expert.



### Scalability

Al can support the growing reliance on third parties and increase efficiency of TPRM teams.



### Aligned with organizational leading practices

Al models can be trained on data specific to the organization, depending on the organization's priorities (e.g., sustainability goals) and risk appetite.



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### Role of Generative Al in TPRM

### Deep dive on TPRM lifecycle

An overview of a general TPRM lifecycle is outlined below.

1

#### Intake questionnaire

The intake questionnaire triages the existing third-party inventory to identify vendors that qualify for a detailed inherent risk assessment process, eliminating obvious low-risk vendors.

# Inherent risk assessment

For the vendors that qualify for an inherent risk assessment, the assessment determines the scope and depth of due diligence required.

# Residual third-party risk assessment

Questionnaires cover prioritized risk areas. They are tailored to the inherent risk rating and nature of the third-party relationship.

4

#### Risk treatment

A residual risk score is assigned to facilitate reporting and risk treatment. Risk treatment is completed prior to contracting with a third party.

# Findings management and monitoring

Findings tracking and reporting is performed until findings are closed. Ongoing monitoring is defined and performed based on the third party's assessed risk.

Ongoing Third-party inventory or Assessment monitoring available third-party data summary report Residual risk score Third parties are segmented Third-party assessment questionnaire (including third-party based on an inherent risk response) Technology risks (cyber and privacy) risk assessment CRITICAL Inherent risk questions Regulatory and compliance risks Very high-risk third parties Risk treatment CRITICAL undergo assessment at HIGH least annually and external Financial risks data intelligence may Accept HIGH MEDIUM be used to perform Intake questionnaire continuous monitoring Operational risks and third-party profile Remediate MEDIUM LOW Findings tracking Strategic risks 一旦司 Mitigate and reporting LOW Reputational risks Avoid

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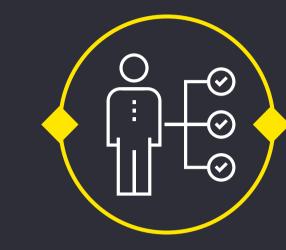
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# Overview of existing approaches in TPRM

Software solutions play a significant role in helping organizations manage the complexities of TRPM by streamlining and automating processes. However, existing processes and technologies pose some limitation in the overall TPRM lifecycle.



### Initial vendor identification and classification

Existing technologies allow for identification and classification of vendors by pulling data from a centralized repository.



#### Risk assessment

Software solutions facilitate comprehensive risk assessments through configurable questionnaires and workflows. Reassessments can be triggered based on previously specified criteria.



### Due diligence

Software solutions manage due diligence processes by automating collection of vendor documentation.



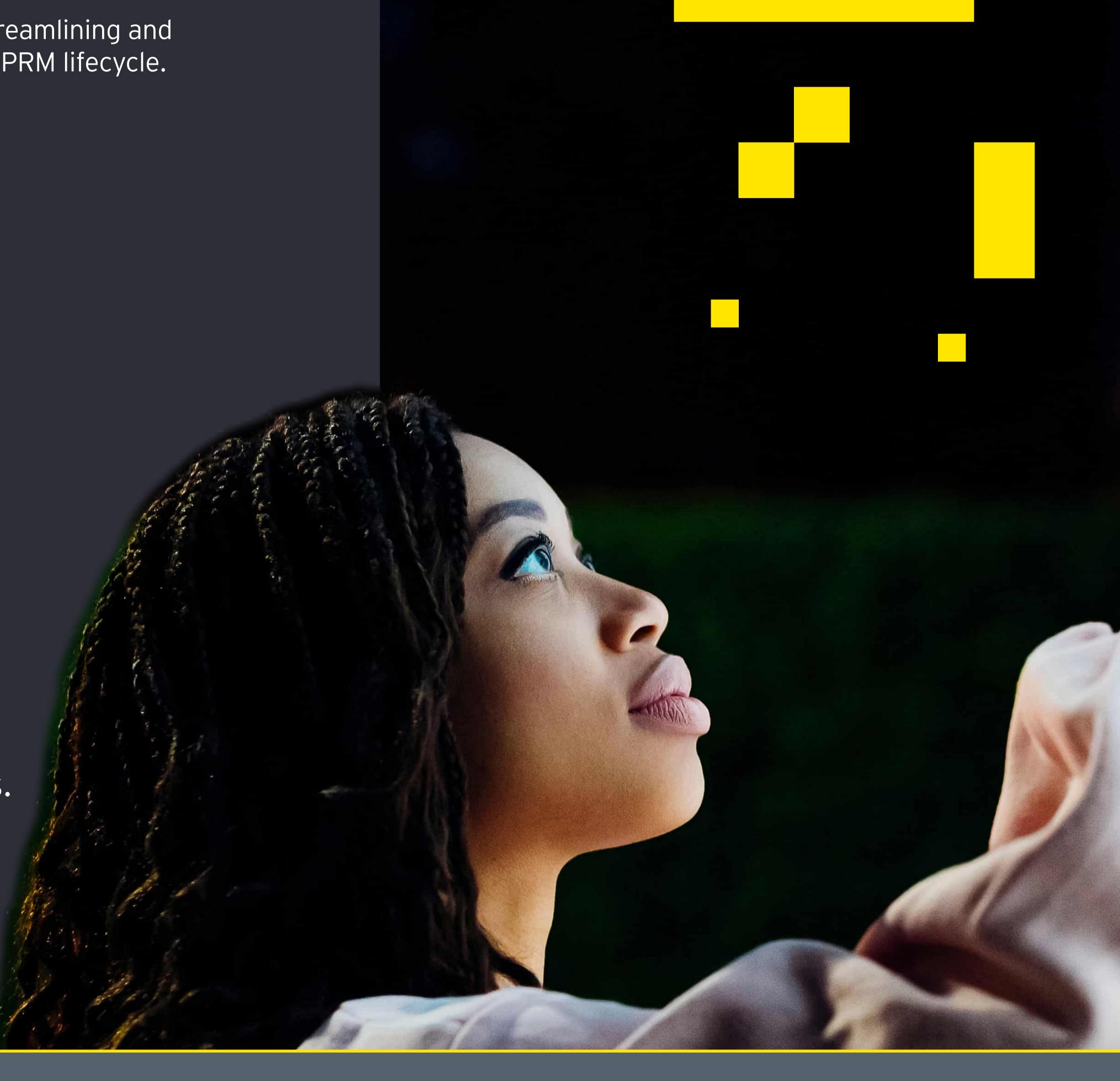
### Contract management

Software solutions maintain a repository of vendor contracts in a centralized location. Offer workflows for contract approvals and renewals.



### Ongoing monitoring

Software solutions enable continuous monitoring of vendor performance and risk indicators.



### Limitations of existing processes and technologies

1

Platforms can be complex to configure and customize to fit organizational needs. They require time and resources to implement and maintain.

2

Integrating data from various sources and ensuring data consistency can be challenging.

3

Maintaining performance and scalability can become challenging as the number of vendors increases.

4

Manual processes still play a significant role, specifically in data entry, analysis and decision-making.

5

Traditional processes and systems have limited predictive capabilities and rely more on analysis from historical data.

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The capabilities of powerful large language models can enable diverse applications across the third-party risk management lifecycle. A selection of areas of the TPRM program where Generative AI could help are depicted below.

#### Monitoring and management

Continuous monitoring - Real-time monitoring of vendor websites, social media, and other open-source info for potential adverse information.

Contract analysis - Generative AI can review and analyze contracts to identify potential risks and ensure compliance with policies.

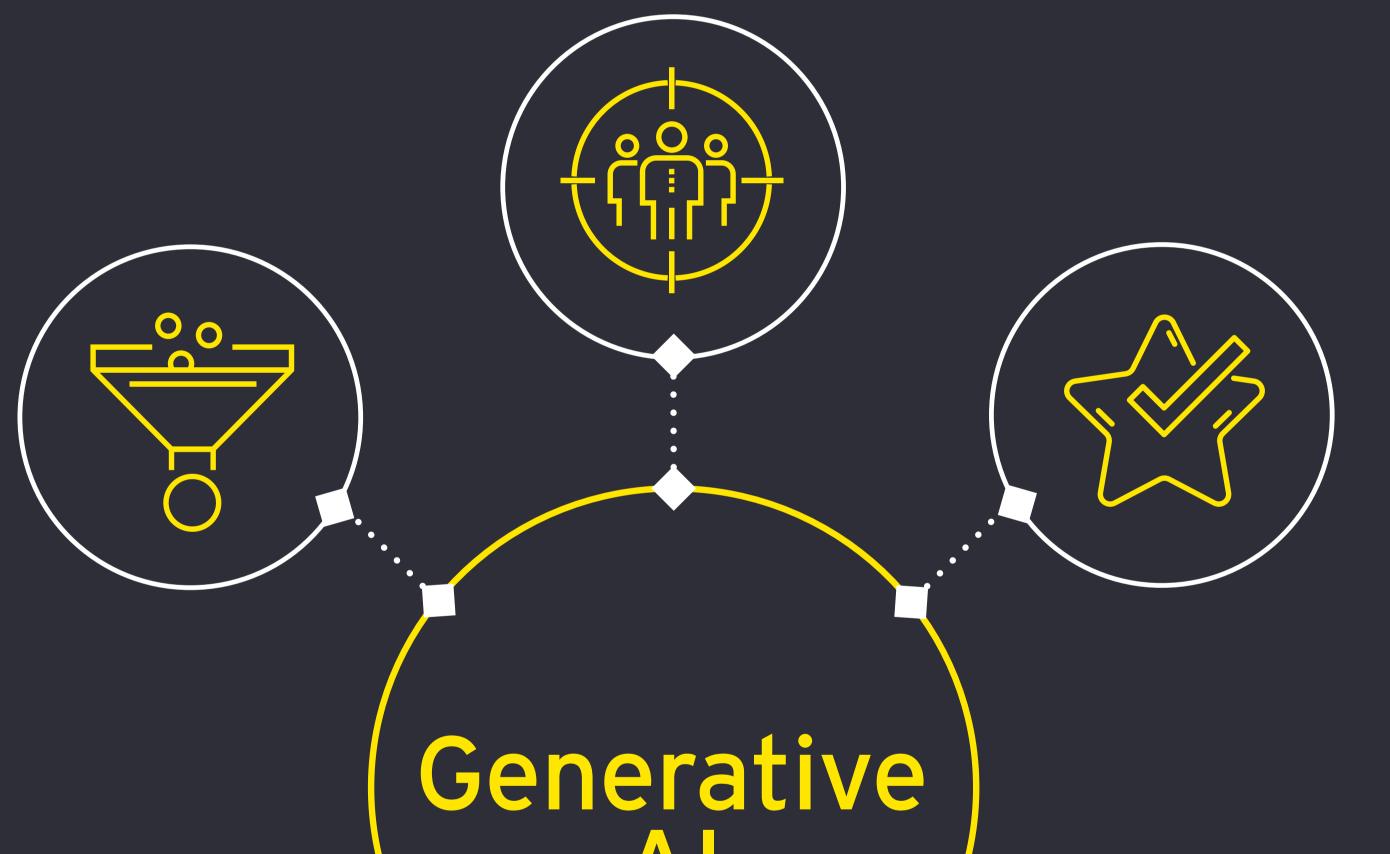
Clause extraction - Generative AI can extract specific clauses from contracts from multiple vendors for easier comparison.

#### Data collection and risk assessment

Automated data extraction -Extraction of data from vendor documents.

Enhanced due diligence - Extraction of vendor information from external and unstructured sources (e.g., websites).

Automated risk assessment - Assessment of vendor risk based on information collected from internal and external data.



#### Compliance and stress testing

Regulatory mapping - Generative Al can map vendor data against regulatory requirements to ensure compliance and identify gaps.

Scenario planning - Generative Al can simulate various risk scenarios to evaluate the potential impact on the organization and identify gaps in risk management strategies.

### Benefits of incorporating Generative AI in TPRM processes

Efficiency – Generative Al facilitates significant improvement in the completion of questionnaires. Vendor processing times can be reduced to minutes.

Scalability - Generative Al offers a scalable approach to improve the management of a large number of vendors.

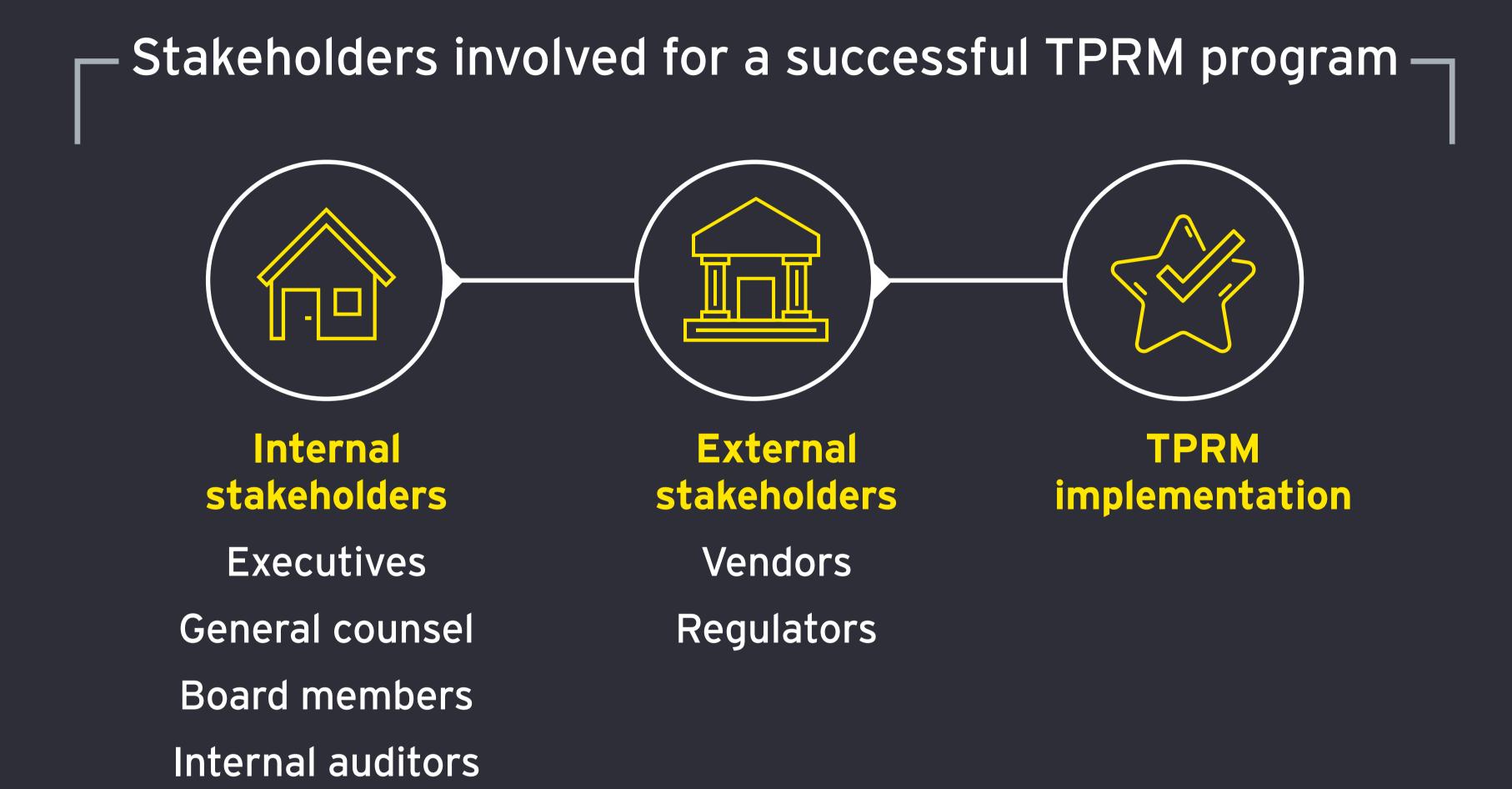
Resource optimization – Prioritization of vendors that require in-depth risk assessment allows for resource allocation where they are most needed, enhancing the overall effectiveness of the risk management program.

**Program streamlining** – Streamlining of the third-party risk management program at every stage of the TPRM lifecycle.

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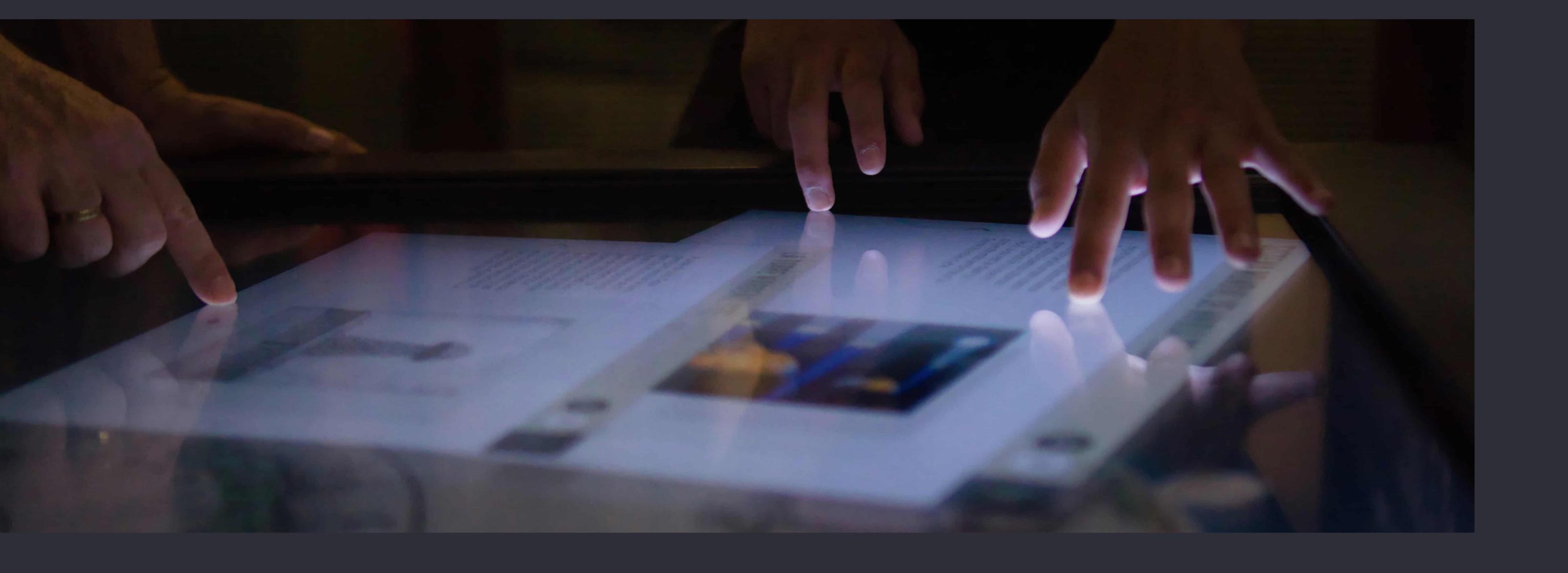
# Using Generative Al for enhancing vendor intake assessment

Vendor intake assessment is one of the areas where Generative AI could enhance exiting practices.



Design phase - intake questionnaire

- Development of intake questionnaire
- Development of supporting procedures
- Agreement on the intake process flow
- Validation of the vendor intake approach



### Execution phase



Third-party conflict of interest checks



Search through general ledger and accounts payable data and open-source data to obtain third-party info



Complete intake questionnaire



Internal review



Validate with organization



Follow up with stakeholders as needed

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### Challenges the intake questionnaire

- The information from the general ledger and accounts payable contains scattered and unstructured data around the nature of the vendor's services to the organization.
- Some organizations have thousands of vendors. A high volume of vendors makes it difficult to complete all intake questionnaires in a timely fashion.
- Complicates the processes that enable effective risk profiling.

- Insights gathered from vendor data are subjected to the assessor's bias, including reliance on a holistic understanding of all available general ledger and accounts payable data.
- The size of vendor inventory directly affects the time spent in reviewing, gathering and documenting assessment response.
- Follow-up questions and validation are resource intensive and require greater involvement from the organization's stakeholders.

### Generative Al approach

- Leverage Generative AI to search and retrieve relevant information from internal sources such as general ledger and accounts payable data as well as external sources such as websites.
- Synthesize responses to the questionnaire.

### Generative Al augmented process



Third-party conflict of interest checks



steps

Information retrieval from third party's website



Generative AI Query Engine synthesizes response based on client's data and open-source data



Automated information retrieval from client's general ledger and accounts payable data



Quality assurance for Generative Al responses

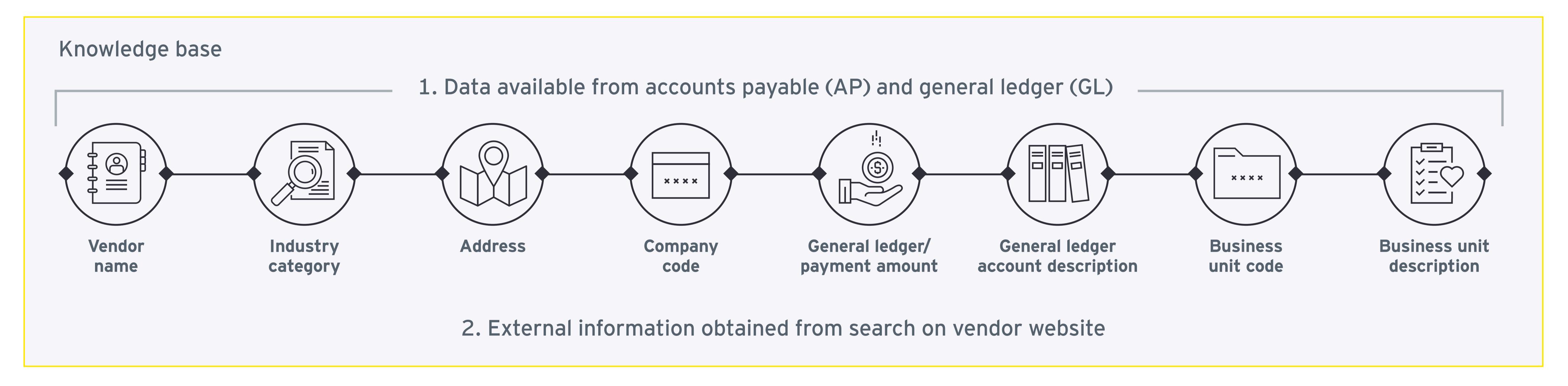


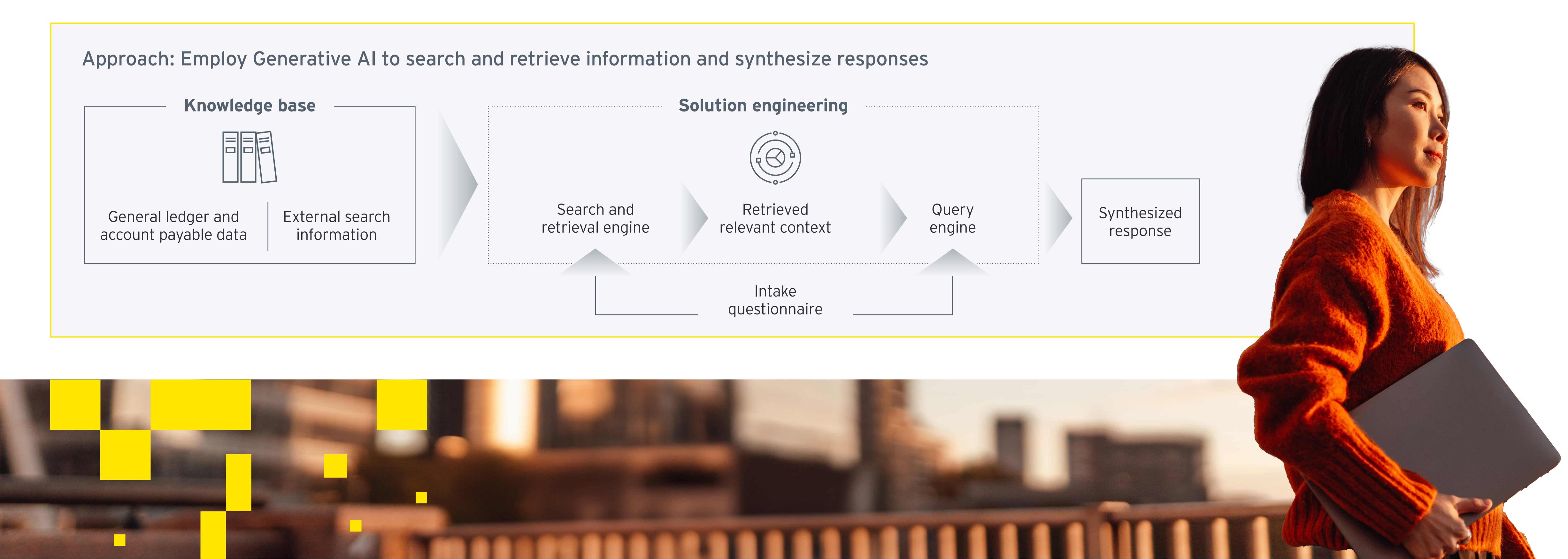
Validate with organization



Follow up with stakeholders as needed

# Generative AI facilitates the completion of vendor intake questionnaires





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# Outcome from the Generative Al approach

### Overview of approach

Generative AI solution analyzes the information obtained from vendors in inventory.

Based on the retrieved information, the Generative Al solution answers eight questions from the vendor intake questionnaire.

The responses are analyzed and the Generative Al solution is evaluated for accuracy, processing times and scalability.

#### Results

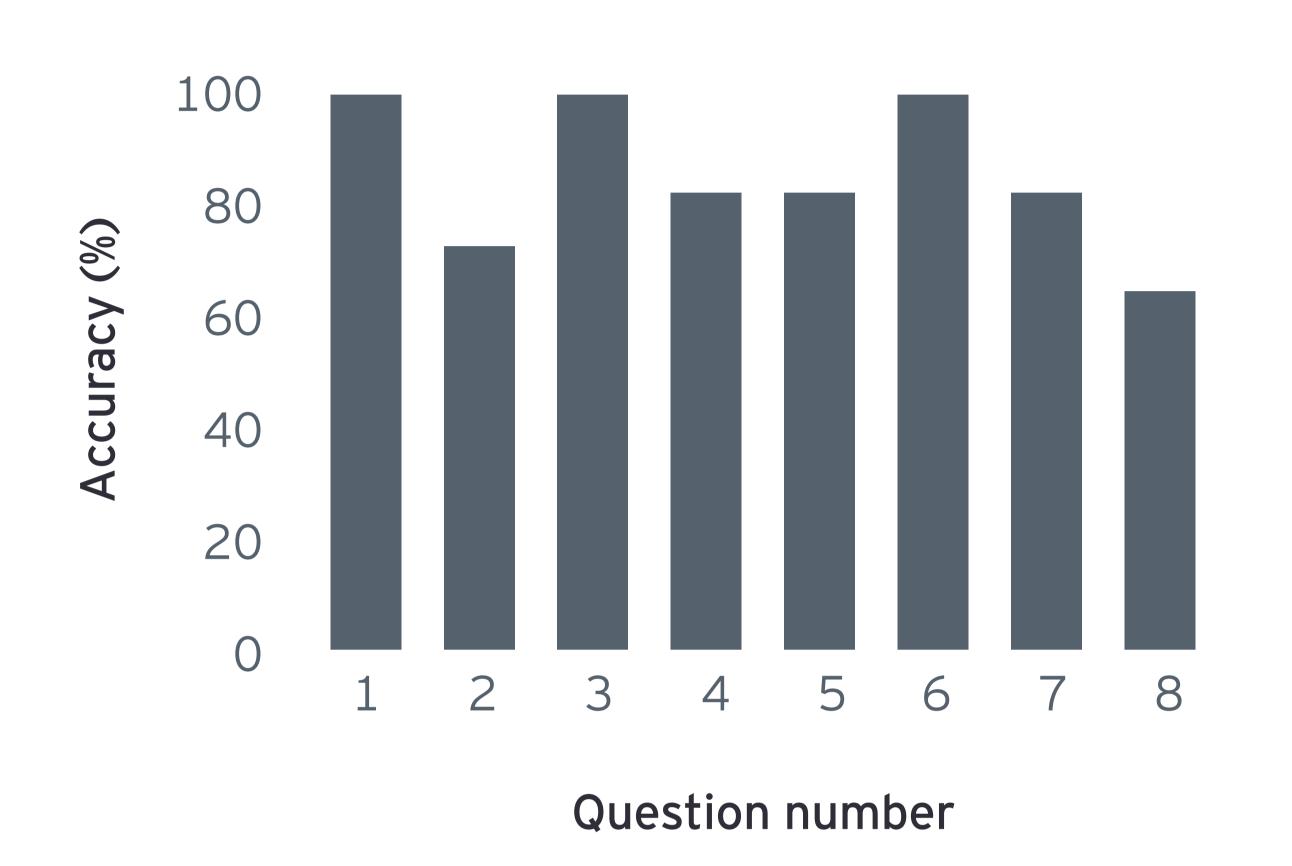
Generative AI solution achieved initial model accuracy\* of approximately 80%.

The overall completion time for answering questions reduced to approximately 1 minute per vendor.

Processing times of Generative Al solution can be further improved by increasing model usage.

\* Model accuracy refers to the number of correct answers to a specific question out of the total number of answers (number of vendors), expressed as a percentage.

### Accuracy of answers to intake questionnaire



### Benefits



### Accelerated processing of vendor intake questionnaires

- Generative AI streamlines vendor intake assessment processes by combining human expertise with Generative AI capabilities.
- Generative AI facilitates significant improvement in time required for the completion of intake questionnaires.
- Generative AI provides a highly scalable approach which improves the intake and management of a large number of vendors.

### Optimization of resources

- Implementation of Generative AI reduces the manual workload for investigation experts, allowing for higher productivity.
- Generative AI enables the prioritization of vendors that require in depth risk assessment.



### Consistency in reporting and documentation

Generative AI minimizes errors and inconsistencies in documentation by standardizing responses.



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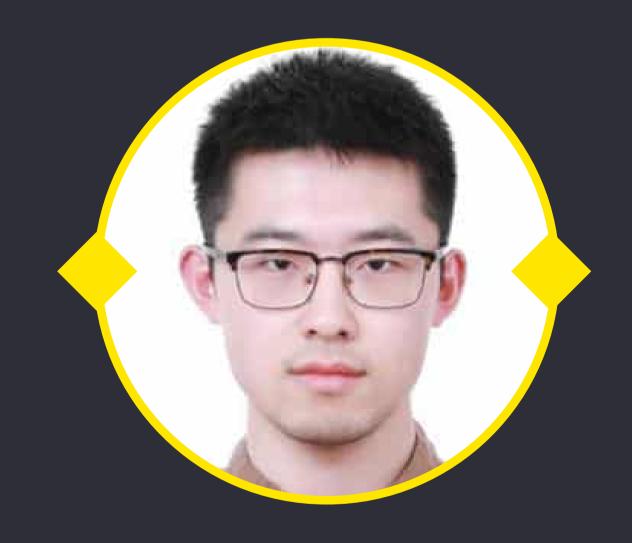
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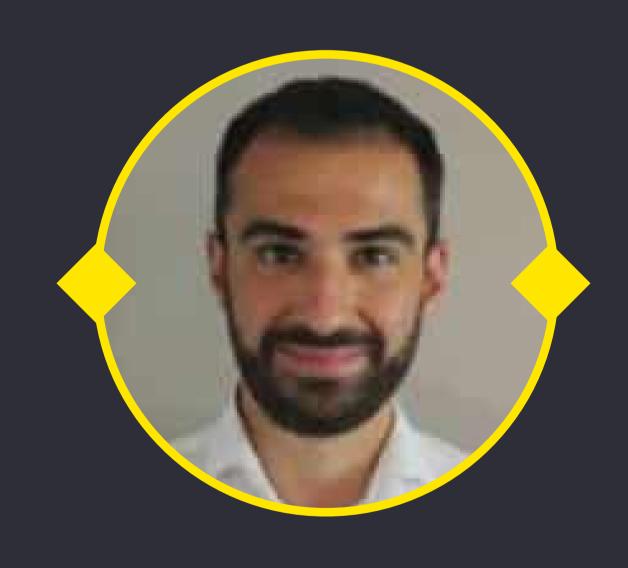
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