

REVOLUTIONIZING **LIFE SCIENCE RECALLS**

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Honeywell

AGENDA

1

**Understanding
Recall Now**

2

Pain Points

3

**Unified Life
Science Solutions
and the Benefits**

4

Use case

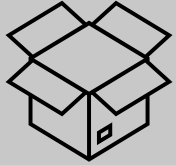
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**Implementing
a Unified
Solution**

6

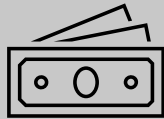
The Future

LIFE SCIENCES RECALLS



13K

Recalls per Year



\$10-20M

Average Cost,
Single Recall



The primary reasons for pharmaceutical recalls are manufacturing defects, contamination and labeling errors.



The medical device sector typically accounts for a more significant percentage of U.S. recalls, with software issues a growing concern.



\$120B

Cost to Industry
per Year



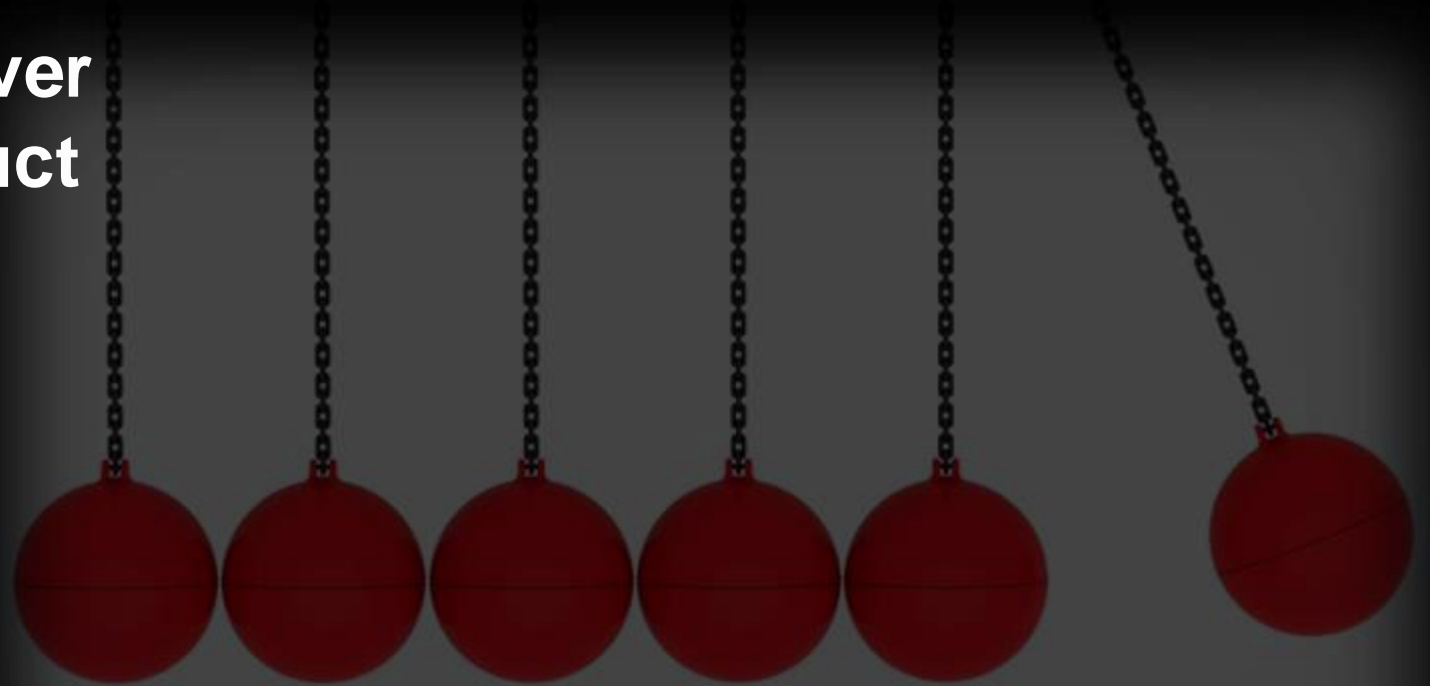
1M+

Patients Harmed
per Year

POLL

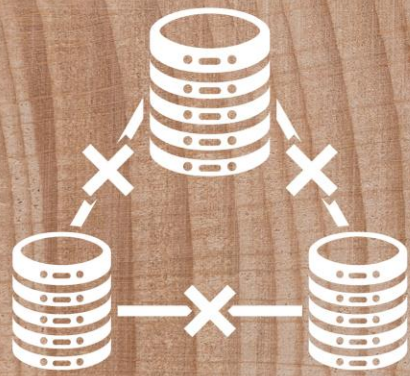
Has your organization ever been involved in a product recall?

- A. Yes
- B. No
- C. N/A





INFORMATION



POLL

WHAT IS YOUR COMPANY'S TOP CHALLENGE WITH RECALLS?

- 1. Deciding to initiate a recall**
- 2. Gathering the consignee information**
- 3. Notification process (sending, receiving)**
- 4. Recall effectiveness and closure**
- 5. We struggle with the entire process**

CHALLENGES PAIN POINTS



DATA

- Data integration with various data sources
- Lack of real-time visibility
- Data accuracy and compliance
- Delays due to siloed data sources
- Manual methods used with multiple SoR



SENDING, TRACKING AND EFFECTIVENESS

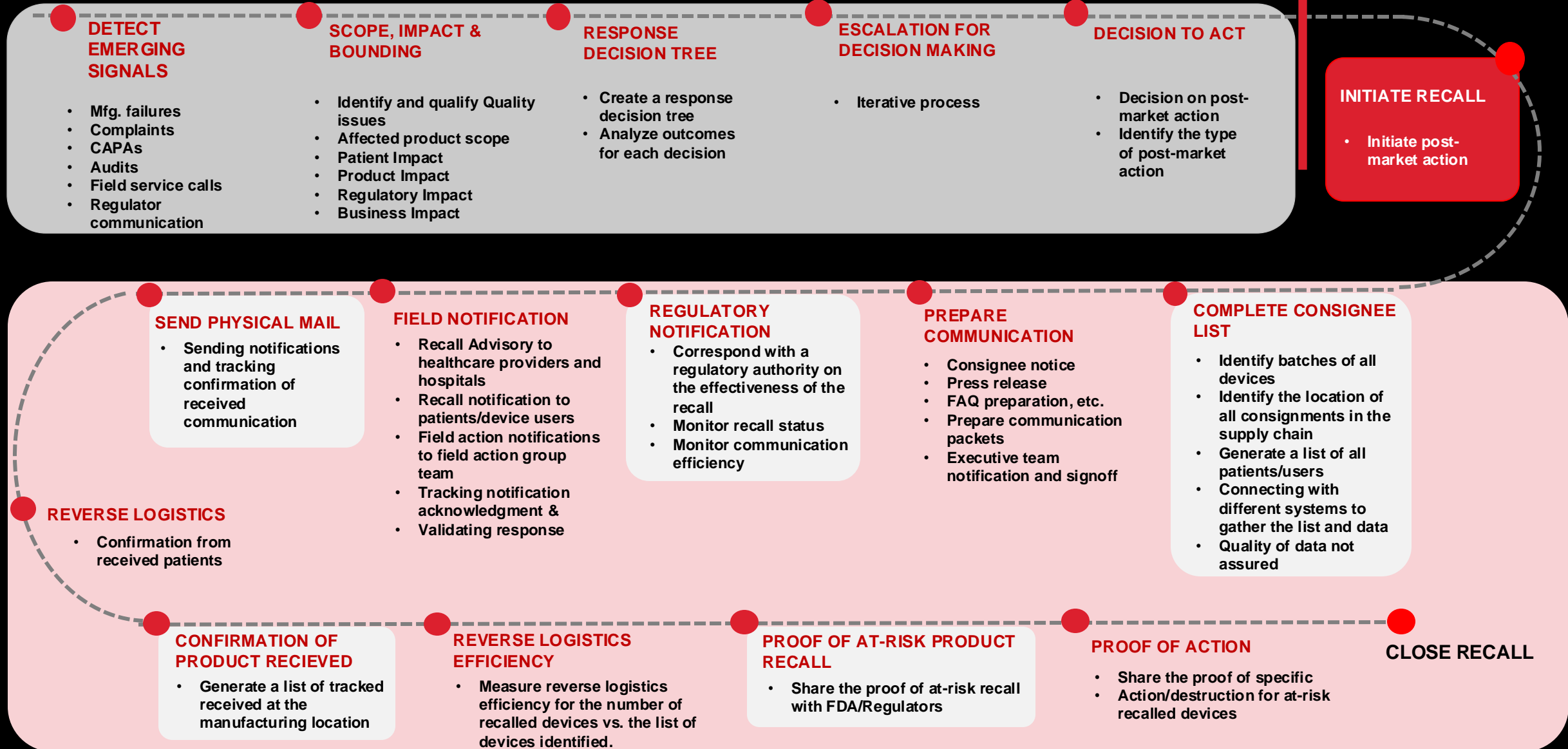
- Compiling consignee information
- Tracking notifications and responses
- Effectiveness of recall and disposition



KEEPING UP WITH COMPLIANCE

- Notification translations
- Managing compliance with multiple regulatory bodies across different countries

HASSLE MAP





INTRODUCTION: DATA FABRIC TECHNOLOGY

KEY TERMS

01 Data Fabric

An architectural approach or set of services that provides consistent, secure, and scalable access to data across a wide variety of sources and environments

02 Data Integration

Integrating data from various sources (cloud, on-premises, structured, unstructured) into a cohesive environment

03 Data Lake

A centralized repository that stores all your structured and unstructured data at any scale

04 Data Governance

Ensuring consistent data governance and security policies across all data sources

05 Data Orchestration

The automated management of data workflows, ensuring that data moves smoothly between systems and is available where and when it is needed

06 Data Processing

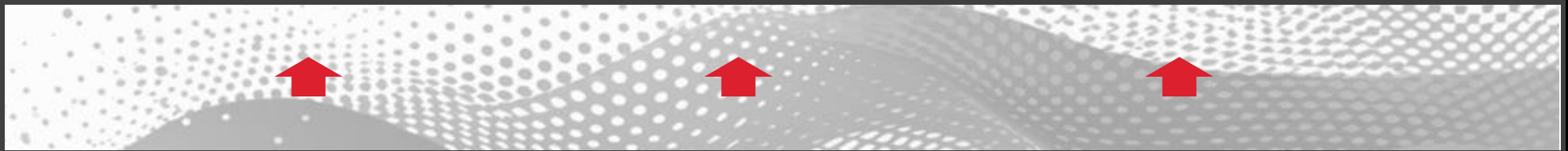
Leverages automation and AI to manage and optimize data, such as automating data discovery, lineage tracking, and data quality management.

DATA FABRIC TECHNOLOGY

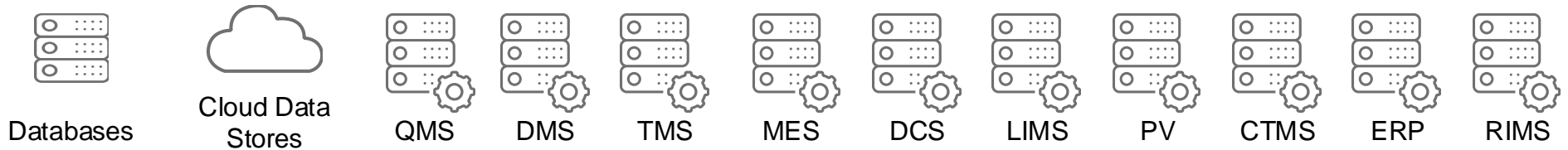
Business Apps



Connective
Data Fabric



Example
Data Sources



BENEFITS OF A DATA FABRIC

Standardized end-to-end process from signal detection to recall effectiveness evaluation



PROCESS AUTOMATION

Automatically conduct complex analysis of data with configured reports that can be easily generated



MINIMUM DEPARTMENTAL DEPENDENCY

Connect to all relevant systems to automate the compilation of the consignee list



REGULATORY COMPLIANCE

Manage regulation guidelines with a fully validated and digital solution



EASY REPORT CREATION

Closed loop system that enables documentation of process improvement when a recall is closed



IMPROVE EFFICIENCY & DECISION MAKING

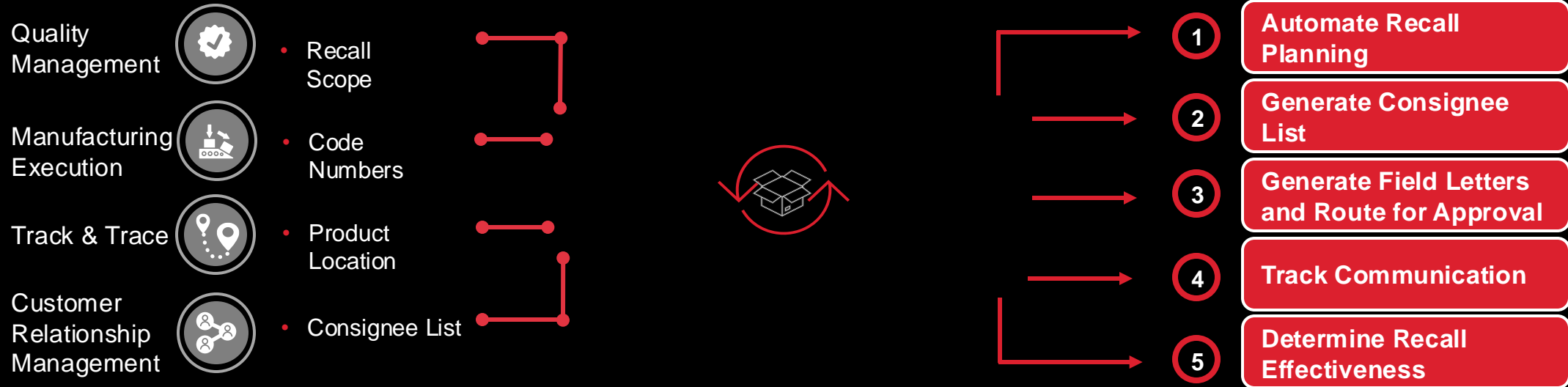
Streamlined processes, intelligent workflows and automation for faster, more informed decision-making



CONTINUOUS PROCESS IMPROVEMENT

Creates a feedback loop to learn from mistakes, improve processes and ultimately produce safer and higher-quality products

UNLOCKING THE VALUE



Business Challenges Addressed

- Detect emerging recall signals, reducing recall impact
- Efficiency gain in the recall process resulting in a decrease in costs
- Transparency and accuracy in the recall process to support regulatory agencies
- Reduce brand, legal and regulatory fine exposure

USE CASE: DATA FABRIC



UNIFIED DATA

USE CASES



Enhanced Traceability and Compliance

Real-time visibility and traceability

Accelerated Root Cause Analysis

Identifying patterns and potential causes

Proactive Quality Monitoring

Predict potential quality issues

Improved Communication and Coordination

Keeps all parties informed

Efficient Recall Management

Generate accurate lists

Regulatory Reporting and Auditing/Inspection

Reports are accurate and complete

Integration with Advanced Analytics and AI

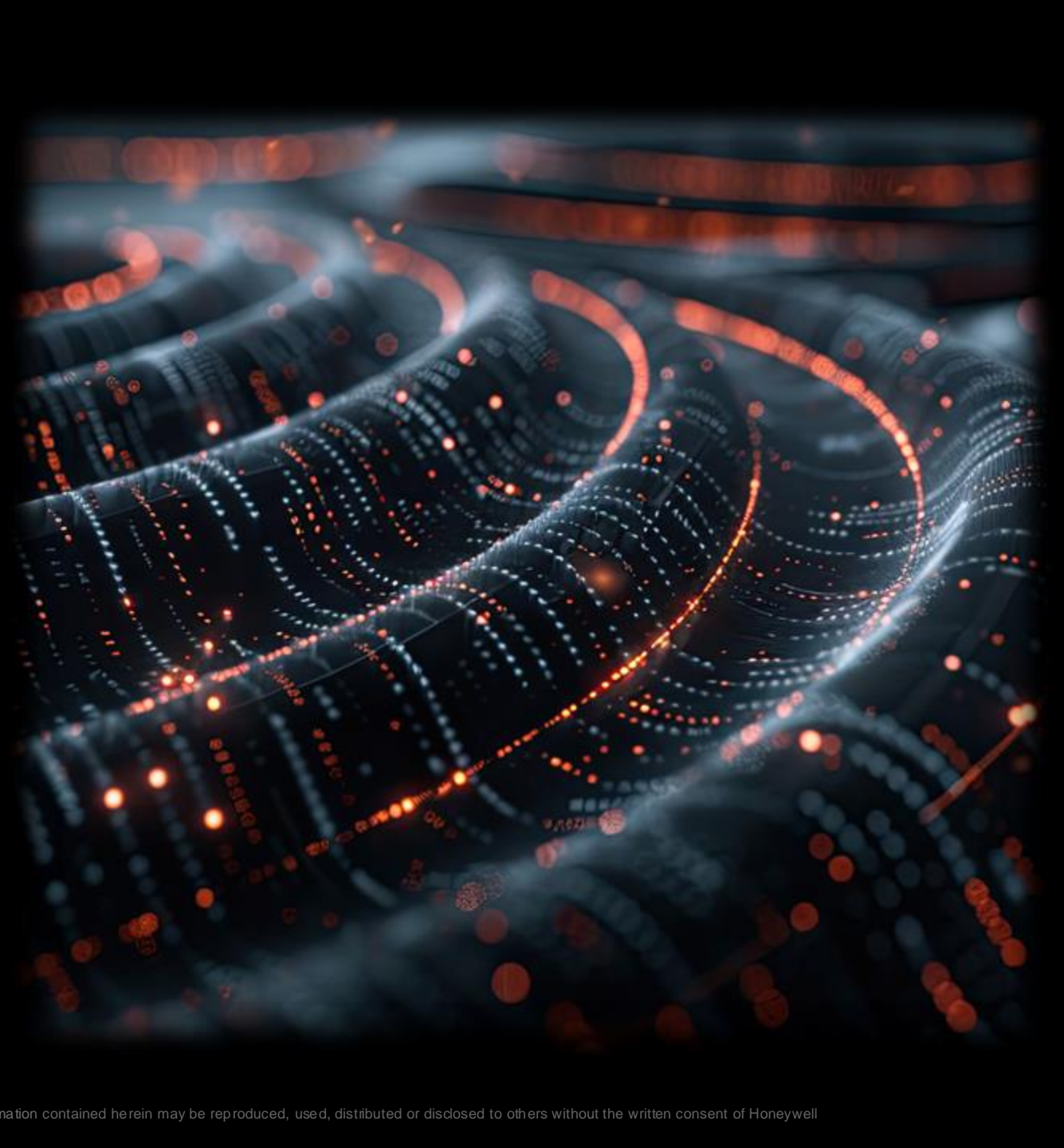
Reduce impact of recalls

A golden key stands upright on a glowing blue circuit board. The background is filled with bokeh lights, creating a futuristic and technological atmosphere. The key is the central focus, symbolizing access and implementation.

KEY TO IMPLEMENTATION

SHOW ME THE DATA

- Where you are and where you want to go
- Understanding what systems and files are needed and used
- Communication ****Clear****
- Staffing (training, gaps)
- Data Governance



WHAT IS NEXT



POLL

What are the biggest challenges you foresee in adopting this technology?

- A. Lack of skilled personnel and expertise**
- B. Resistance to change within the organization**
- C. Data privacy and security**
- D. No challenges**

CONCLUSION



CALL TO ACTION

Assess your current systems and begin planning your fabric adoption to stay ahead in a rapidly evolving industry



STRATEGIC IMPORTANCE

Adopting data fabric is not just a technical upgrade but a strategic necessity for future-proofing your organization's recall processes



RECAP OF KEY BENEFITS

Data fabric enhances data accuracy, speeds up response times and helps ensure compliance, which is crucial for recall management

FUTURE PROOF RECALL WITH A FABRIC

Q&A



THANK YOU.



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