

Summary

Al is transforming the global economy, but adoption without governance and security invites risk. This whitepaper offers a roadmap to responsible, secure Al integration across key geographies (Middle East, USA, UKI & Europe) guided by the Microsoft ecosystem.

What You'll Learn:

Key stages of AI readiness

Regional compliance requirements

How to secure and govern AI at scale

Exquitech's service capabilities across Data, Al & Security

Mony Now?

For every \$1 invested in AI, companies realize \$3.5 ROI on average.

"DC InfoBrief: sponsored by Microsoft, 2024 Business Opportunity of AI, IDC# US52699124, November 2024"



Al Ethics Made Simple: 6 Principles That Matter



The Business Case For Al

Average ROI for every \$1 invested

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of early AI adopters report achieving a return on their AI investments.

Ref: Snowflake Inc.; Global Research, The Radical ROI of Gen Al

Contribution in annual productivity gains across various industries

Ref: McKinsey & Company, The State of AI, 2025



Al gets smarter over time; but smarter also means riskier

WHAT HAPPENED?

WHY DID IT HAPPEN?

WHAT WILL HAPPEN?

WHAT SHOULD WE DO?

LET'S CREATE!

INSIGHTS AUGMENTATION AUTOMATION

Insights

Finding answers and gaining insights for problems that we know.

Problem Solving

Establish solutions to questions that are not yet discovered.

Smart Systems

Develop software (i.e trained models) that can access data, make inferences & improve

Creative Al

Utilize large "pre-trained" models to analyze data and generate new content



Global Regulatory Landscape







UAE





- Signals Intelligence Agency
- Department of Health
- Department Of Gov Enablement

UK





- ICO Information Commissioner's Office (GDPR)
- **CPNI**, **Ofcom**, Centre for Data Ethics
- Department for Digital, Culture,
 Media & Sport

KSA



- NCA National Cybersecurity
 Authority
- SDAIA Saudi Data & Al Authority
- CST Communications, Space & Tech Commission
- SAMA Saudi Arabian Monetary Authority

USA



- NIST, CCPA, HIPAA, PCI DSS
- CISA Cybersecurity &
 Infrastructure Security Agency
- Federal Trade Commission



Data Taxonomy towards the readiness of Al

DATA GOVERNANCE

(Organize your storage)

- Organize and label your data properly
- Ensure quality and consistency
- Apply the right rules and policies to manage it

DATA WAREHOUSE & DATA LAKE

(Clean your space)

- Collect your data from different sources
- Clean and format it so it's useful
- Store it in a central place where AI tools can access it

DATA ANALYTICS

(Understand what's inside)

- Track key business metrics
- Spot patterns and trends
- Detect unusual behaviors or issues in real-time

AI & ML DATA TRAINING

(Let smart tools do the heavy lifting)

- Use your cleaned data to train AI models
- Automate decisions, predictions, and insights
- Deploy smart tools like chat assistants or image/
 language recognition

Security & Compliance

(Threats vs Controls)



Secure identity & access

>50% Of permissions are high-risk and can cause catastrophic damage

>50%



Prevent risk of data leak

35% of respondents are concerned about lack of tools to protect data that goes into generative Al

35%



Secure devices & endpoints

60% Of BYO devices are not secured by IT

60%



Prevent risk of data oversharing

43% of organizations said lack of controls to detect and mitigate risk in AI is a top concern

43%



Secure Al application use

80% of employees use non-sanctioned apps that no one has reviewed.

80%



Prevent risk of non-compliance

By 2027 at least one global company will see its AI deployment banned by a regulator for non-compliance

By 2027



Case Study / O I advanced inhalation rituals



Situation

Looking to strengthen Data Classification and Data Loss Prevention (DLP) capabilities to ensure compliance with regulatory and organizational standards while safeguarding sensitive and critical data.

Looking to strengthen its data security posture through governance enhancement and the deployment of Data Classification and DLP tools.



Solution

Improve Data Classification & DLP posture through the design of a Data Classification & DLP Roadmap.

Strengthening Data Security Governance through the development of a Target Operating Model and clear role definitions.

Creation of Data Registers per business department to capture requirements for the proposed Data Classification and DLP rollout.



AIR Global's data security posture has improved by 65%



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