



## **Title: Leveraging Artificial Intelligence in Scaled Agile Framework (SAFe)**

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Agile Delivery Lead and Coach

MBA in Agile Project Management – SAFe POPM-SAFE RTE-SAFE SPC - CSM Senior ScrumMaster-

# AI



- What can you expect from this presentation?

Who am I? (My story in Agile)

What is Scaled Agile Framework (SAFe)?

The Role of Artificial Intelligence (AI)

What does AI mean?

Benefits of Integrating AI into SAFe

AI Applications in Different SAFe Levels

Overcoming Challenges

QA



Who am I?





# Passion

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- Industrial Engineering vs Professional Swimmer
    - Efficiency
    - Productivity
    - Automation
    - System thinking
    - Process Reengineering
- 





## Project Support Engineer

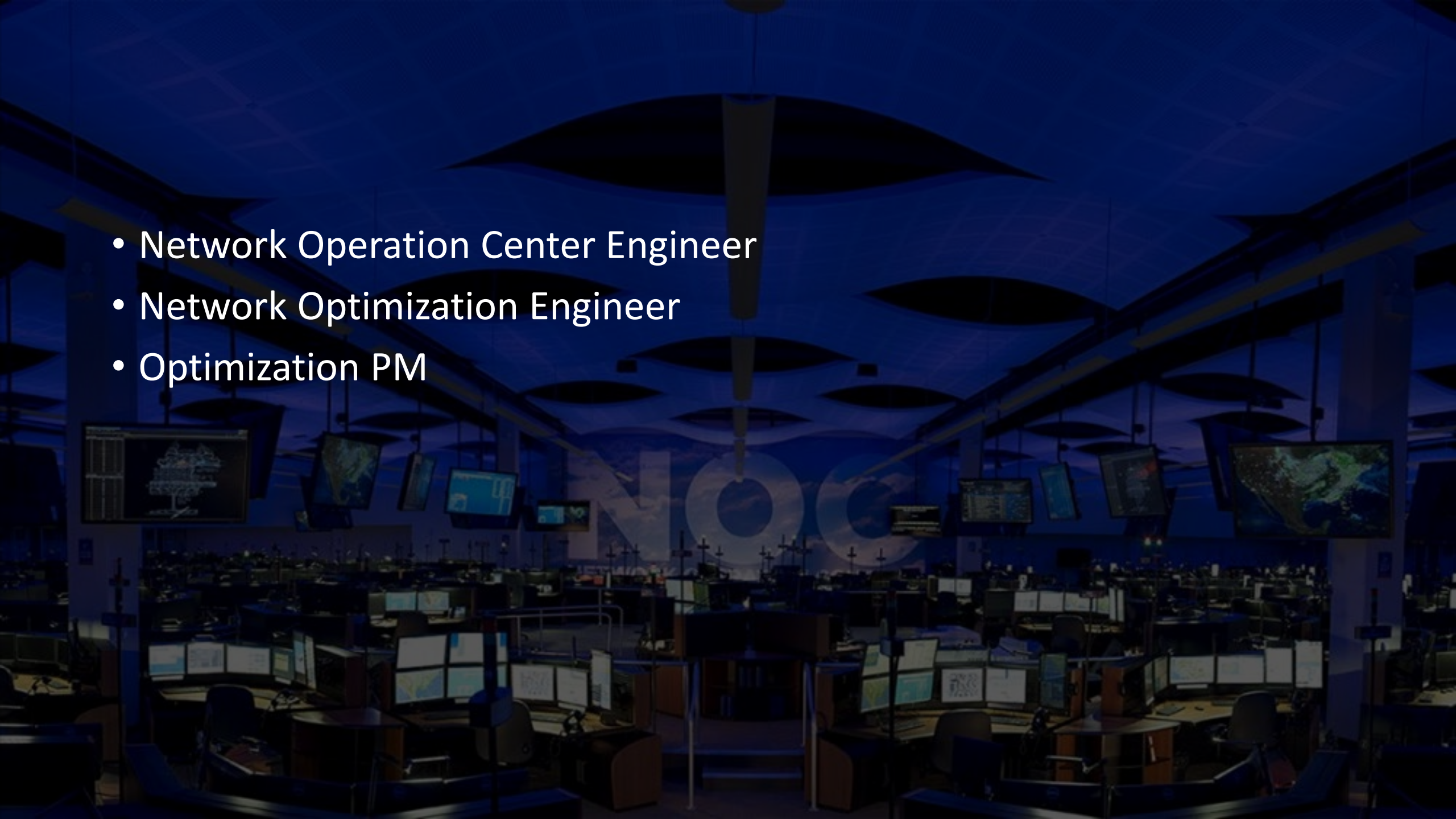
- First prepaid mobile (Telecom-Company) product in IRAN

**Nokia Siemens  
Networks**





- Network Operation Center Engineer
- Network Optimization Engineer
- Optimization PM







- Invested in my MBA with concentration in Agile Project Management at Golden Gate University in downtown San Francisco in 2013
- Graduated with high honors.
- Established Persian Club using my Scrum skills.







## Happy Couple

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- Hiking
- Road Trips
- Camping
- Everything Outdoor
- Dream: Road Trip to Alaska

# Native Apps Teams

- iOS and Android Team
- Technical Program Manager
- ScrumMaster





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Account Payout Network

Risk and Fraud Data and Machine Learning

Omni Channels

- Program Manager
  - Senior ScrumMaster
  - SAFe Release Train Engineer
- 

The Western Union logo consists of the words "WESTERN" and "UNION" stacked vertically in a bold, black, sans-serif font. To the right of the text is a vertical bar with a registered trademark symbol (®) at the top. The entire logo is set against a white background within a black rectangular border.

**WESTERN | |<sup>®</sup>**  
**UNION | |**

**MONEY TRANSFER**

# Business Deposit Team

- Senior ScrumMaster





A photograph of the Morgan Stanley building facade. The name "Morgan Stanley" is displayed in large, three-dimensional, metallic letters. The building has a dark, modern architectural style with vertical panels.

Morgan Stanley

## Web Applications Teams

Managed 4 Scrum teams  
Senior Technical Program Manager  
Senior ScrumMaster

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Enterprise Agile Coach



EQUINIX





® Senior Agile Delivery Lead

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## Founded Scrumiz 2022

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CEO and Co-Founder

- Scrumiz is an Agile boutique
- Comprehensive Bootcamp
- Agile + AI Combo Consulting Firm



# SCRUMIZ



# Introduction

- Brief overview of Scaled Agile Framework (SAFe)
- Importance of adopting emerging technologies like Artificial Intelligence (AI)
- Purpose of the presentation: Exploring the integration of AI into SAFe





# What is Scaled Agile Framework (SAFe)?

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- Definition and key principles of SAFe
- SAFe's focus on scaling Agile practices across large enterprises
- Benefits of SAFe:
  - Improved collaboration,
  - Faster time-to-market,
  - increased quality



# The Role of Artificial Intelligence (AI)

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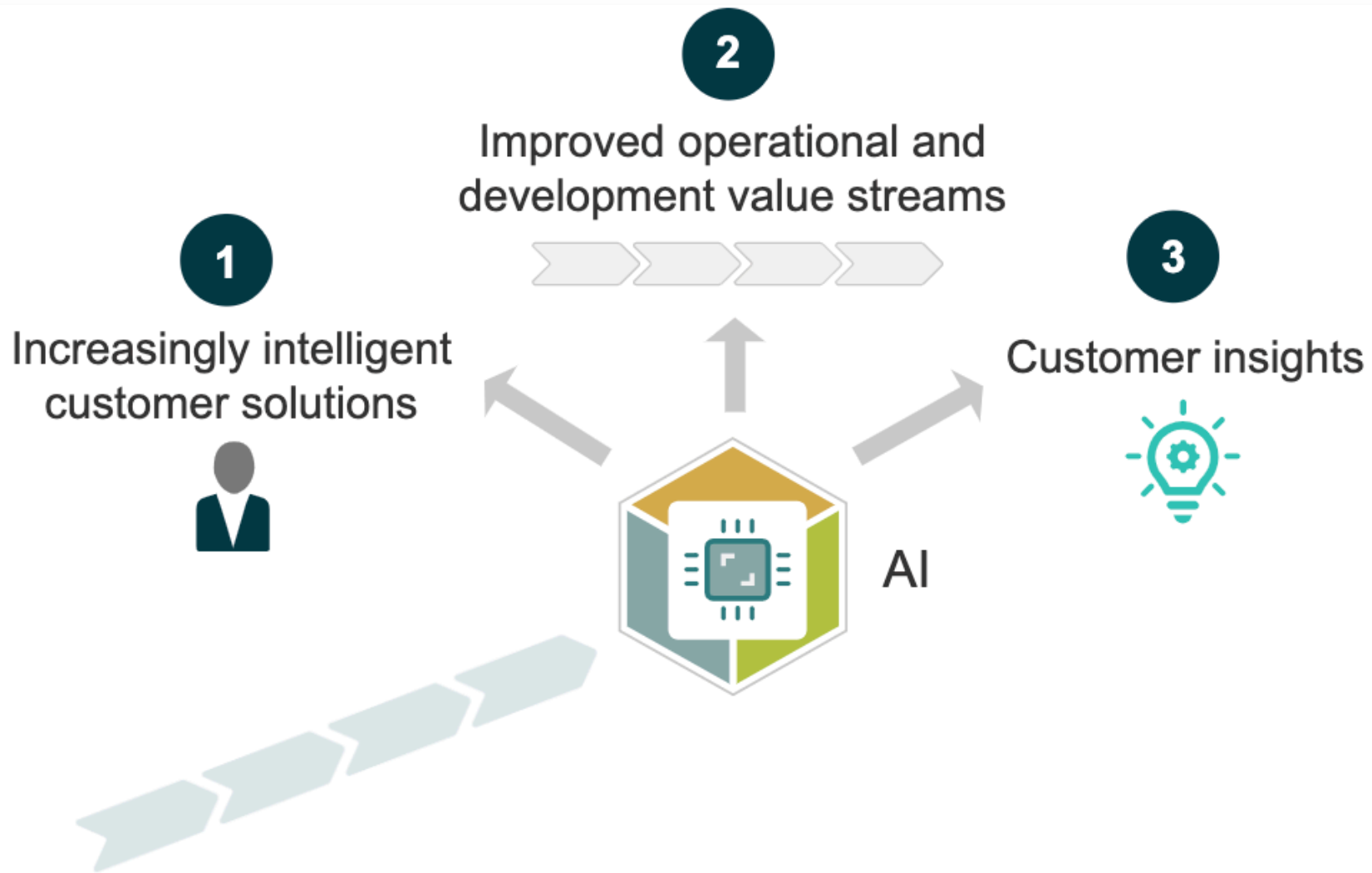
- Definition of Artificial Intelligence (AI)
- AI's potential to enhance various business processes
- Alignment of AI with Agile and SAFe principles



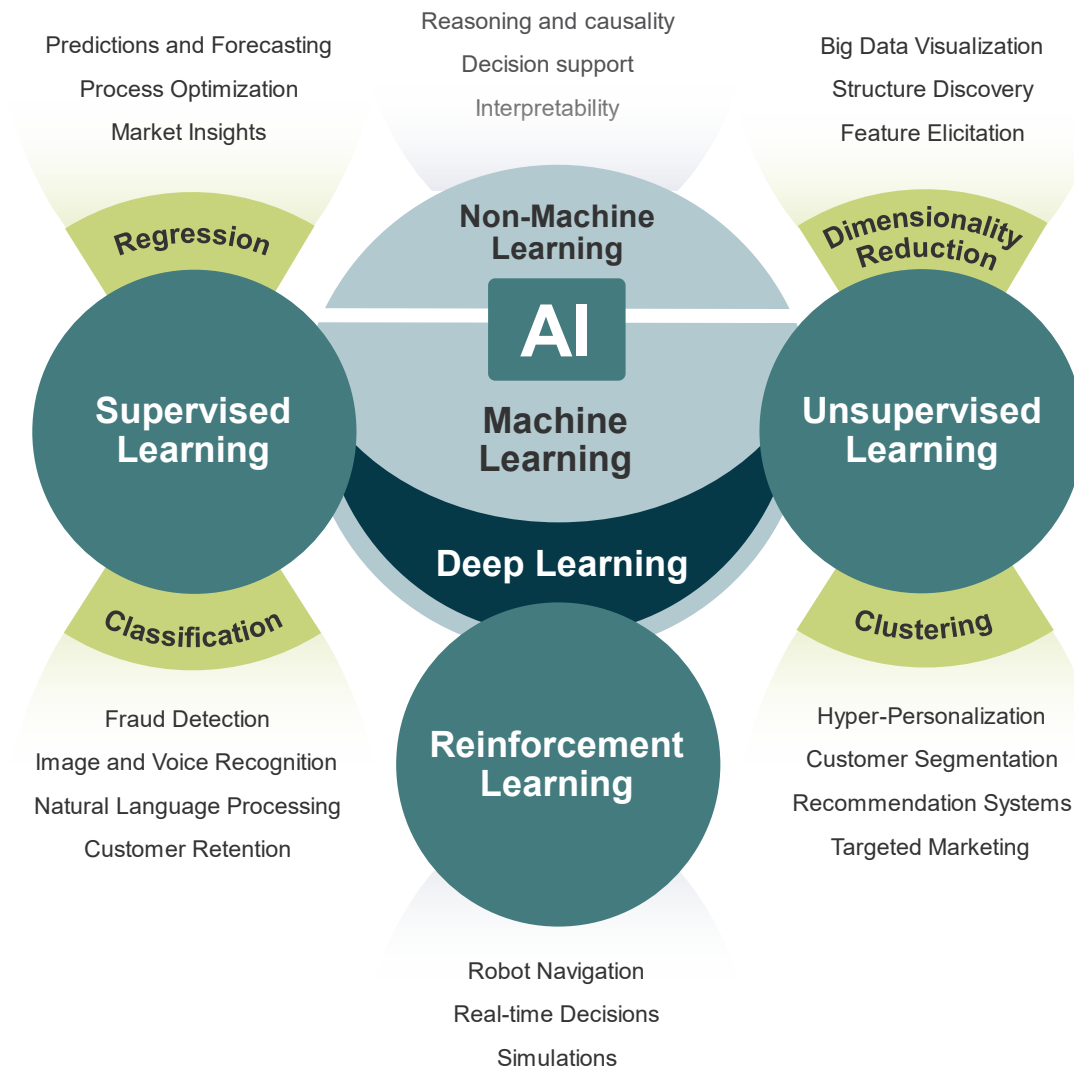
# The trend is clear:

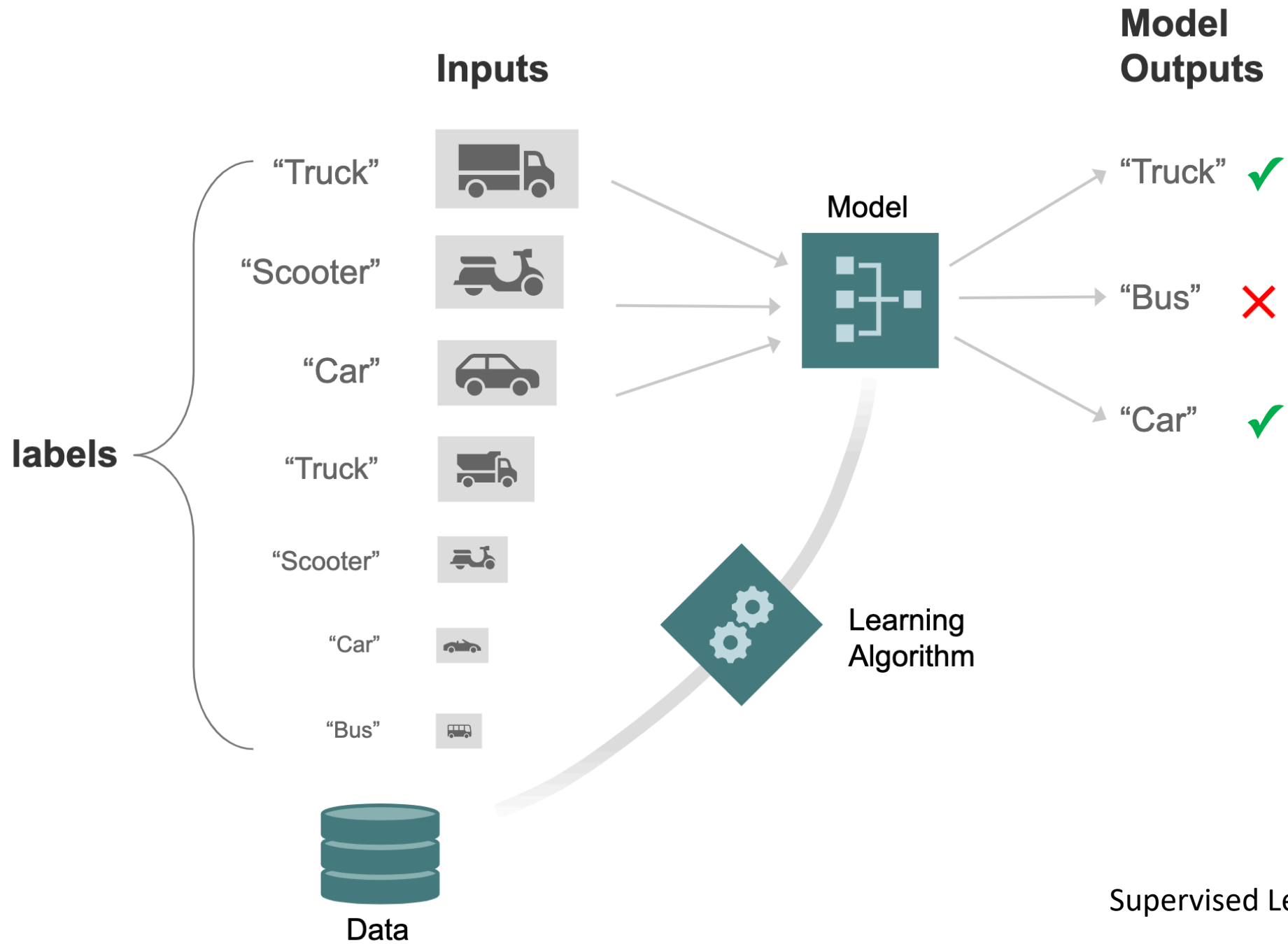
- A startling 72% of executives believe that AI will be the most significant business advantage of the future.
- According to a PwC survey performed in 2020, 86% of respondents said AI would become a “mainstream technology” at their company in 2021. By 2025, 70% of organizations will have operationalized AI architectures.
- Artificial Intelligence, deep learning, machine learning — whatever you’re doing if you don’t understand it — learn it. Because otherwise, **you’re going to be a dinosaur** ... — **Mark Cuban, American billionaire entrepreneur**

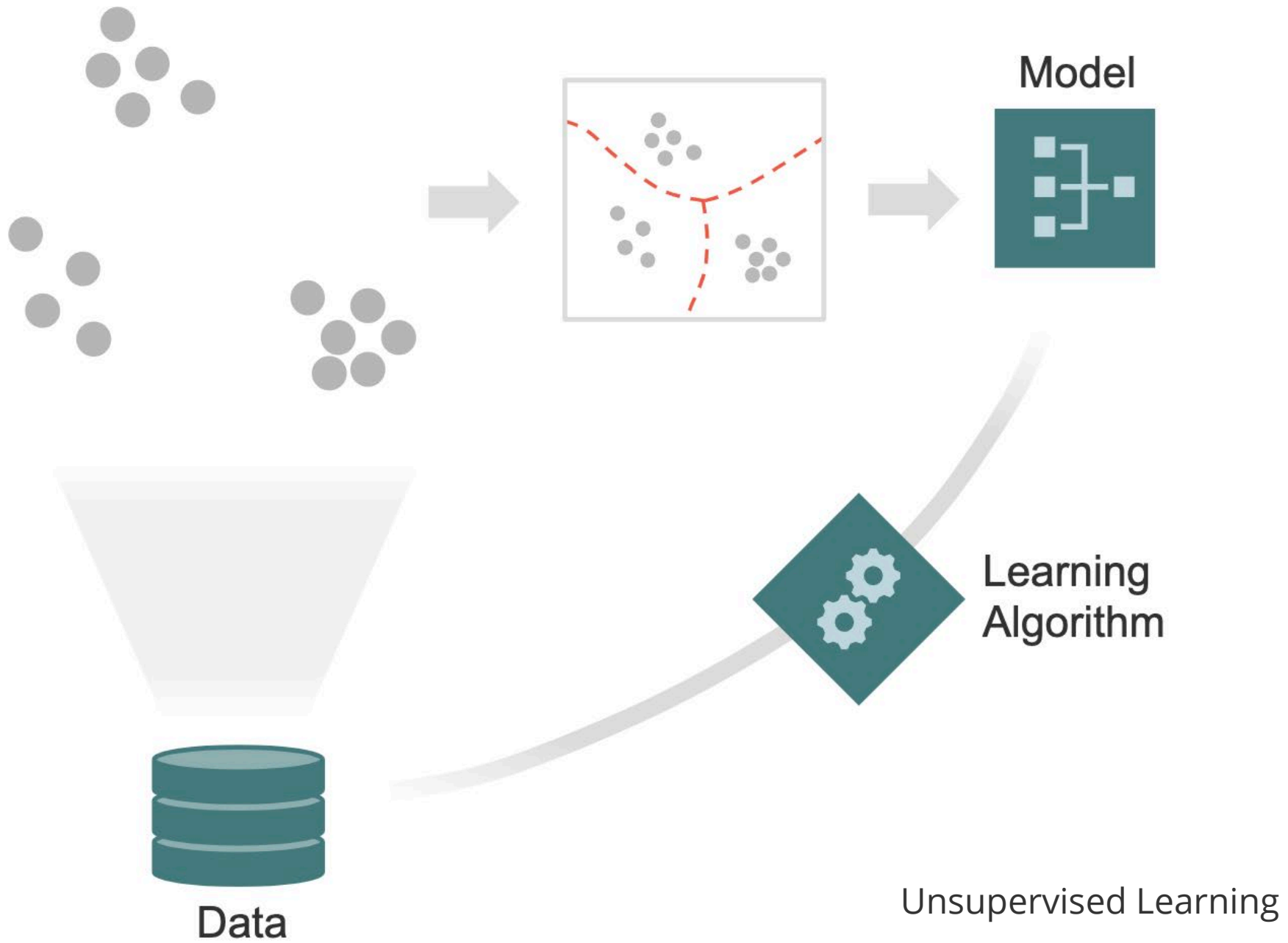
















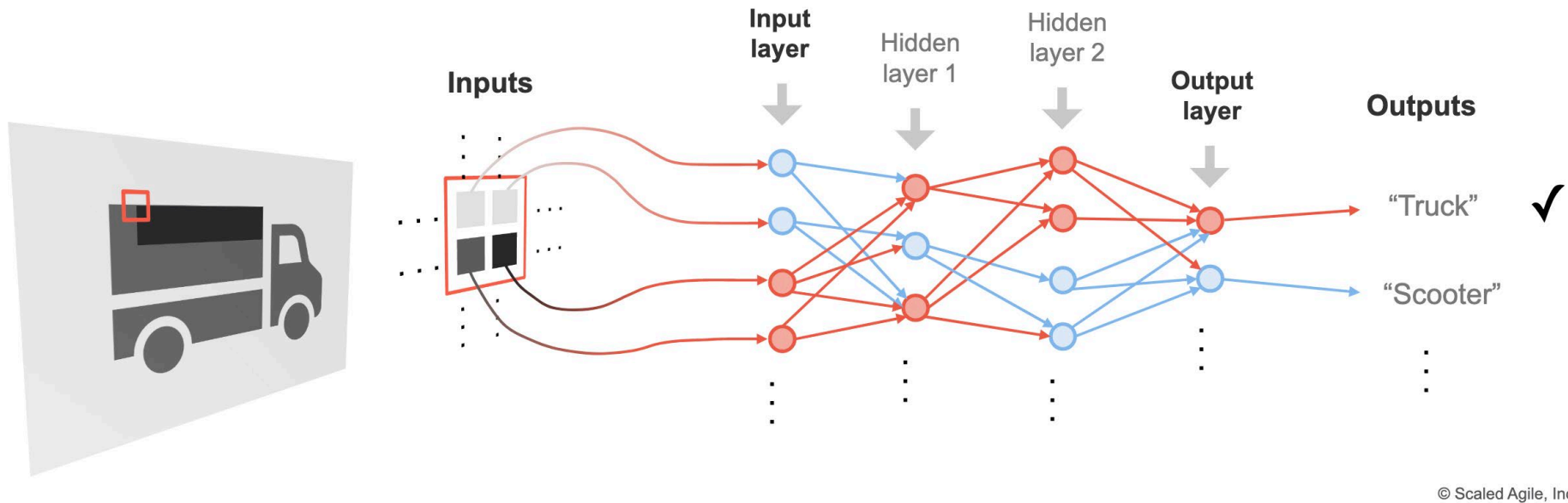


Figure 8. A deep neural network applied to pattern recognition

Deep Learning

1

Alignment with strategy



2

Customer centricity



## AI Decision-Making Framework

3

Continuous exploration

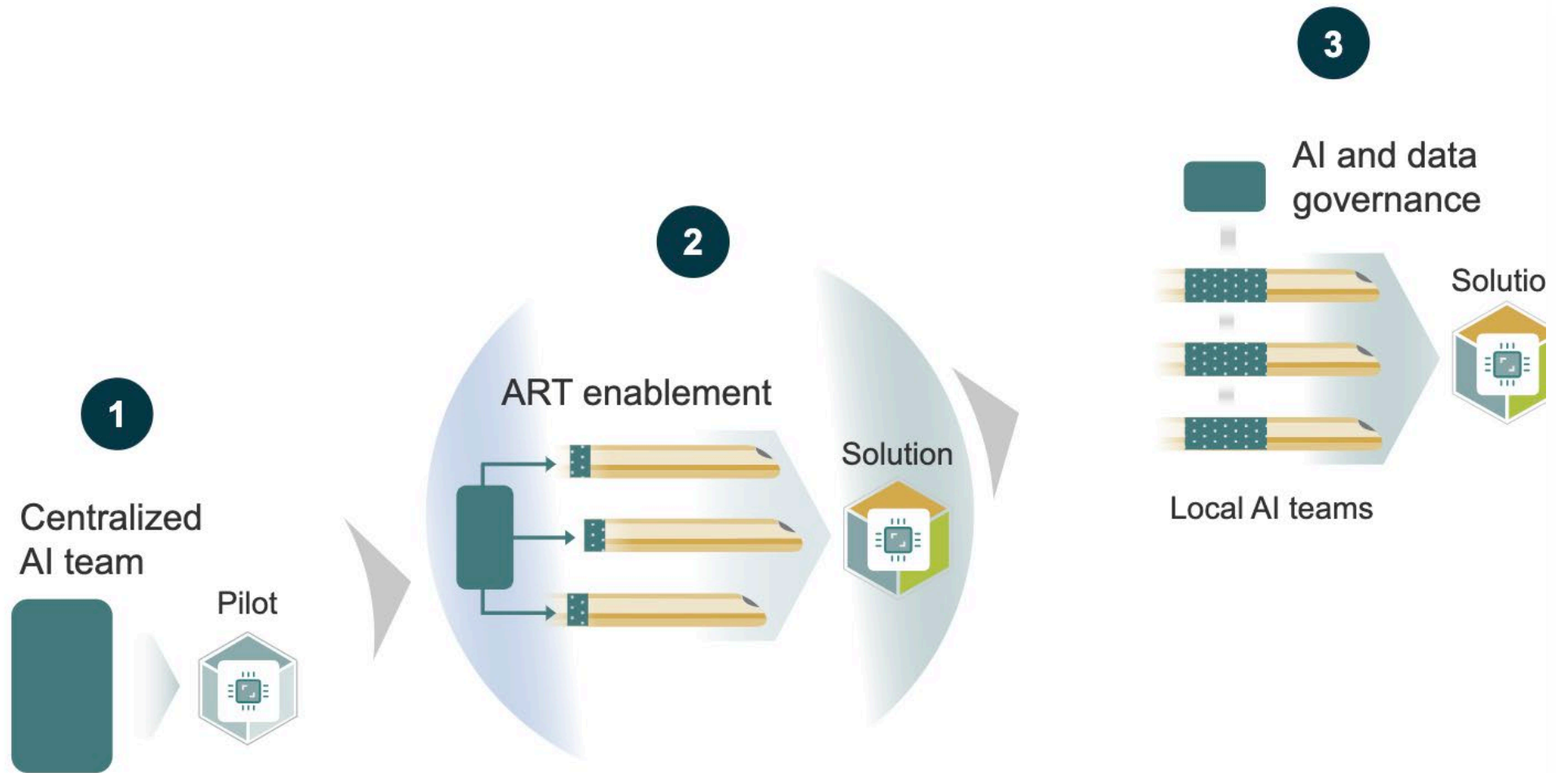


4

Empirical milestones









# Benefits of Integrating AI into SAFe



Improved data-driven  
decision-making



Enhanced predictive analytics  
for better planning and  
forecasting



Automation of routine tasks,  
reducing manual effort



Real-time monitoring and  
continuous improvement



# Example: AI-Driven PI and Release Planning



Traditional release planning  
challenges



Utilizing AI for data analysis,  
capacity estimation, and risk  
assessment



Achieving more accurate and  
adaptable release plans

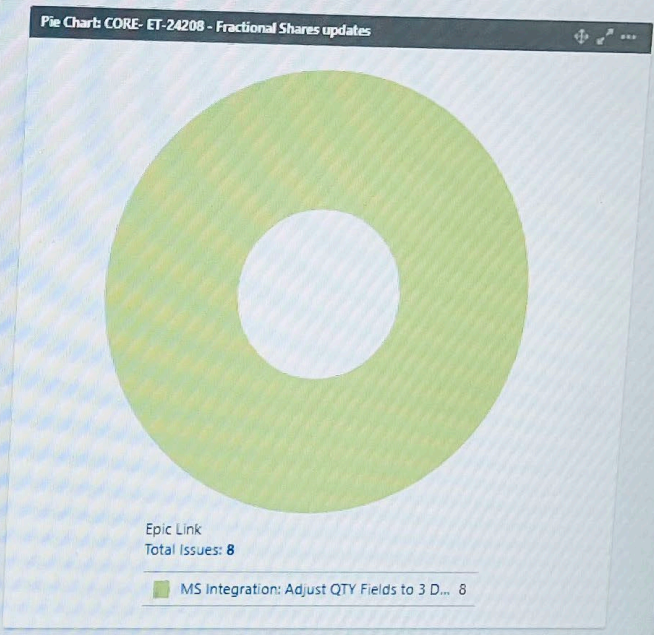


# CORE- ET-24208 - Fractional Shares updates

Filter Results CORE- ET-24208 - Fractional Shares updates Epics

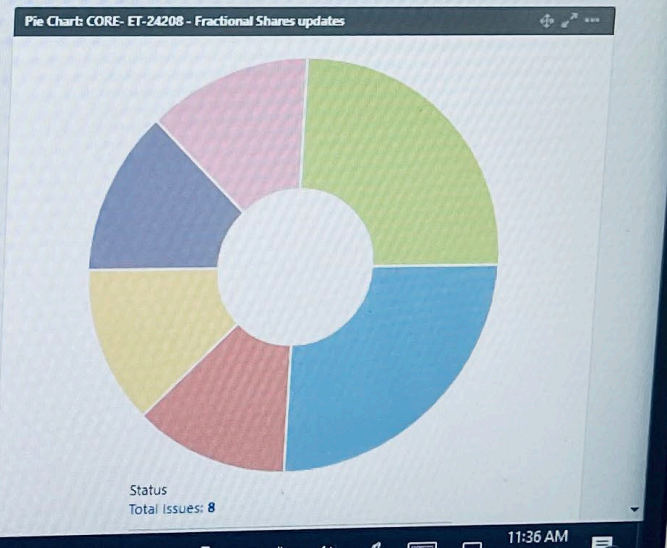
T	Key	Summary	E2E Testing Start Date	E2E Testing End Date	E2E Testing Status	Health	Fix Version/s	Parent Link	Current Status
	CORE-12429	MS Integration: Adjust QTY Fields to 3 Decimal, Points	01/Aug/22	25/Aug/22	Not Started	<span style="color: green;">●</span> <span style="color: gray;">○</span> <span style="color: gray;">○</span> Green	22.09	ET-24208 Digital impact: Fractional Shares updates from 5 decimal places to 3 decimal places	CORE started picking up user stories 4/7  Milestones: In sprint Integration "Release Certified" - July 29th. E2E Integration testing- Aug 1st to Aug 25th UAT E2E Regression Aug 26th - Sep 13th. PRD Sep 16th  Risks: Web trade and stock plan requirements are not written  Confluence Page: <a href="https://confluence.corp.etradegrp.com/display/INITIATIVES/ET-24208+Digital+impact%3A+Fractional+Shares+updates+from+5+decimal+places+to-3+decimal+places">https://confluence.corp.etradegrp.com/display/INITIATIVES/ET-24208+Digital+impact%3A+Fractional+Shares+updates+from+5+decimal+places+to-3+decimal+places</a> Jira Dashboard: <a href="https://jira.corp.etradegrp.com/secure/Dashboard.jspa?selectPageId=28657">https://jira.corp.etradegrp.com/secure/Dashboard.jspa?selectPageId=28657</a>

1-1 of 1



Filter Results CORE- ET-24208 - Fractional Shares updates

T	Key	Summary	Assignee	Status	Epic Color	Epic Link	Story Points	Fix Version/s	CR #	Sprint
	CORE-13992	[xeon] Fractional shares (qty 3 Decimal Points): Update logic to use new pilot/converted flags	Montes Carrillo, Jorge	IN CODE REVIEW		MS Integration: Adjust QTY Fields to 3 Decimal Points	3			Core- Sprint 118- 4/7- 4/20, Core- Sprint 117 - 3/24- 4/6
	CORE-13991	[react-positions] Fractional shares (qty 3 Decimal Points): Update logic to use new pilot/converted flags	Unassigned	CANCELLED		MS Integration: Adjust QTY Fields to 3 Decimal Points				Core- Sprint 118- 4/7- 4/20
	CORE-13378	QA Testing: [Fractional Shares] Ensure that a non-pilot, non-converted user can continue to enter QTY out to 5 decimal places	Unassigned	READY FOR WORK		MS Integration: Adjust QTY Fields to 3 Decimal Points	5			
	CORE-12575	Testing only: [Fractional Shares] : For Pilot or Converted user: display up to 3 Decimal Points on Positions / Gains & losses	Unassigned	READY FOR DEV		MS Integration: Adjust QTY Fields to 3 Decimal Points	5			
	CORE-12484	QA Testing: [Fractional Shares] Ensure that Positions and Watch List Trim "0" from 4th and 5th Decimal Place	Unassigned	CANCELLED		MS Integration: Adjust QTY Fields to 3 Decimal Points				
	CORE-12480	[Fractional Shares] angular: For Pilot or Converted user: Accept Up to 3 Decimal Points on Manage Watch List	Venkatesan, Banu Pratheepa	RELEASE CERTIFICATION		MS Integration: Adjust QTY Fields to 3 Decimal Points	3			Core- Sprint 112 - 1/13-1/26
	CORE-12479	[Fractional Shares] Accept Up to 3 Decimal Points on Margin Calculator	Karthik Kathirvel (Inactive)	OPEN		MS Integration: Adjust QTY Fields to 3 Decimal Points	3			Core- Sprint 112 - 1/13-1/26
						MS Integration: Adjust	3			Core- Sprint 112 -





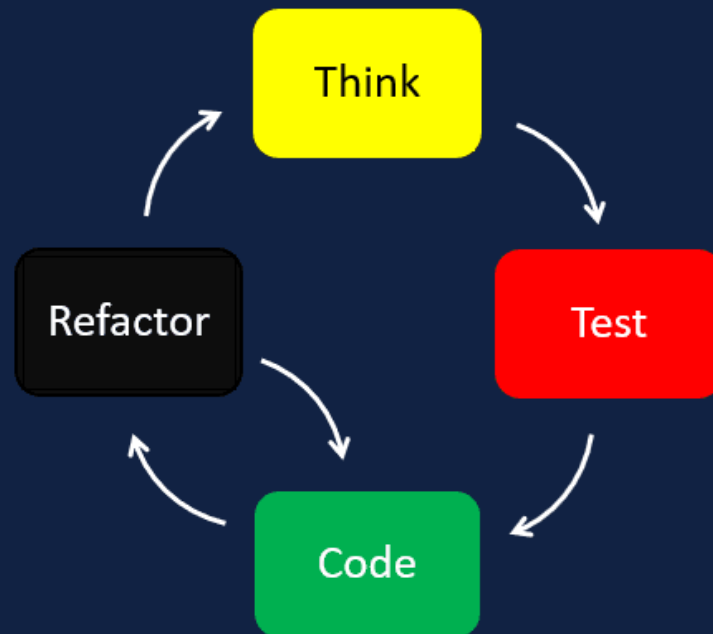
# Zephyr for JIRA: Test Management Tool Tutorial

For instructor-led training, please  
call us at 1-800-543-5571 or mail us  
at [training@infotek-solutions.com](mailto:training@infotek-solutions.com).



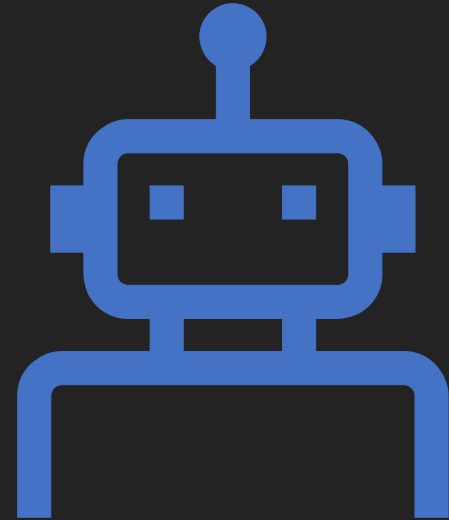


# Test Driven Development (TDD)



# AI-Powered Continuous Integration and Continuous Delivery (CI/CD)

- AI-driven code review and quality assurance
- Automated performance testing and deployment optimization
- Faster and more reliable CI/CD pipelines



# AI Applications in Different SAFe Levels



TEAM LEVEL: AUTOMATED TESTING,  
CODE REVIEW, AND CONTINUOUS  
INTEGRATION



PROGRAM LEVEL: PREDICTIVE  
ANALYTICS FOR FEATURE  
PRIORITIZATION



LARGE SOLUTION LEVEL: RESOURCE  
ALLOCATION OPTIMIZATION USING AI  
ALGORITHMS



PORTFOLIO LEVEL: AI-DRIVEN  
MARKET ANALYSIS AND STRATEGIC  
PLANNING

# Companies that use AI in their SAFe adoption

- 1. Intel:** Intel has been known to leverage AI to enhance their SAFe practices, including using AI for data analysis and decision-making to improve their Agile release trains.
- 2. Ericsson:** Ericsson, a telecommunications company, has explored the use of AI to optimize and automate various aspects of their SAFe implementation, including release planning and resource allocation.
- 3. Siemens Healthineers:** Siemens Healthineers has utilized AI and machine learning to support their SAFe implementation by improving data analysis, optimizing resource allocation, and enhancing collaboration among development teams.
- 4. Nokia:** Nokia has integrated AI into its SAFe practices to help with release planning, risk assessment, and resource management. AI-driven insights assist in making data-driven decisions for their Agile teams.
- 5. Capgemini:** Capgemini, a global consulting and technology services company, has been researching and implementing AI techniques to enhance SAFe practices, including predictive analytics for release planning and performance optimization.
- 6. SAFe AI Community of Practice:** While not a single company, the SAFe AI Community of Practice is a collaborative group of organizations and practitioners that focuses on exploring and sharing best practices for integrating AI and machine learning into SAFe processes.



## Overcoming Challenges



Data privacy and security  
considerations



Change management and  
employee adaptation



Skill gap and training  
requirements

# Best Practices for AI Integration in SAFe



START SMALL AND  
FOCUS ON HIGH-  
IMPACT AREAS



COLLABORATE ACROSS  
TEAMS TO IDENTIFY AI  
OPPORTUNITIES



INVEST IN AI SKILL  
DEVELOPMENT AND  
TRAINING



MONITOR AND  
EVALUATE AI'S IMPACT  
ON SAFE PRACTICES

## Future Trends and Considerations



AI's evolving role in Agile  
and SAFe methodologies



Integration of AI with  
DevOps practices



Ethical considerations  
and responsible AI usage

# Conclusion



Recap of key points covered in the presentation



Emphasize the potential of AI to revolutionize SAFe practices



Encourage exploration and experimentation with AI in SAFe implementations





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## Q&A

- Open for questions and discussions



Let's stay connected

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