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Speaker



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Avik leads Oomnitza's efforts with helping companies drive measurable business value through AI, data solutions for modern IT Asset Management.

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Agenda

- Introduction
- Identifying High-Value Use Cases
- Analyzing Data & Building ML Models
- Deploying Apps and Tools
- Key Takeaways & Open Discussion



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Introduction

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Objectives of This Session

- ❑ Understand how ITAM + AI can drive business value.
- ❑ Understand practical insights into deploying AI effectively in an enterprise IT environment.
- ❑ Discuss challenges and strategies for ensuring high-quality data.
- ❑ Open discussion on real-world challenges and use cases.

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AI Is Expected To Drive Significant Business Value For ITAM

Key Areas of Business Value

Improve Operational Efficiency & Effectiveness

66% Increased productivity

30% Increased efficiency

Reduce Risk

100% Audit compliance

33% Improvement in operational reliability

28% Reduction in cybersecurity threats

Reduce Costs & Optimize Profit

70% Reduction in wasteful spending

30% Increase in profitability

5x Average ROI on technology investments

Accelerate Business & Drive Growth

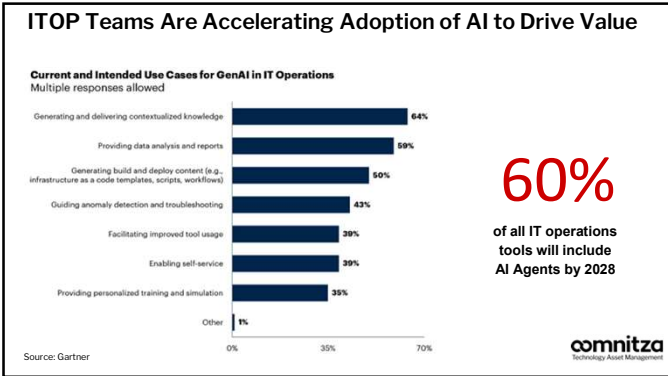
150% Faster deployments of services

30% Faster decision making

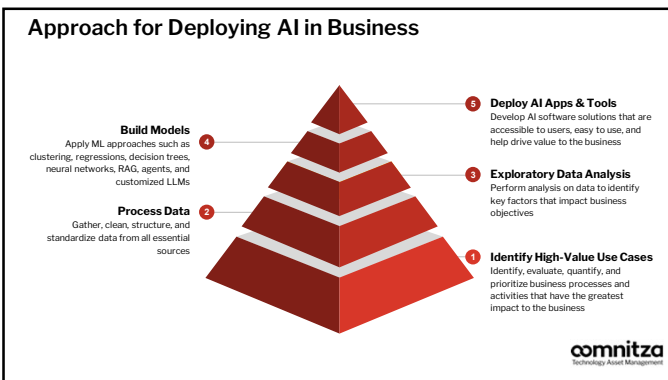
12% Revenue increase from "tech-as-a-service" business models

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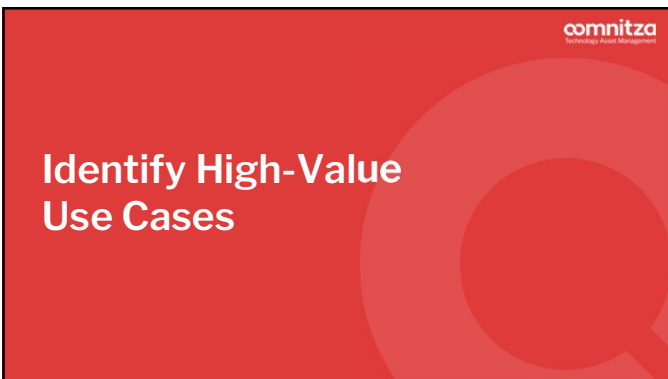
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Start by Understanding Business Value Drivers for ITAM

Identify Themes & Value Drivers

Improve Operational Efficiency & Effectiveness

Reduce Risk

Reduce Costs & Optimize Profit

Accelerate Business & Drive Growth

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Identify High-Value Activities Across Asset Lifecycle Mgmt

Planning

Acquisition & Procurement

Deployment

Usage & Operation

Maintenance

Retirement & Disposal

Example Activities:

Define business requirements for new IT assets

Evaluate and select vendors based on cost, quality, and compliance

Configure, test, and provision IT assets before deployment

Monitor asset usage, performance, and compliance

Schedule routine maintenance, updates, and patching

Identify assets reaching end-of-life or requiring replacement

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Identify How AI Can Enable & Accelerate Key Activities

Planning

Acquisition

Deployment

Usage & Operation

Maintenance

Retirement & Disposal

AI Value For Asset Lifecycle

Intelligent Automation Of Tasks

Improving Security & Compliance

Predictive Maintenance

Cost Reduction & Profit Optimization

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Example AI Solution For ITAM:
Oomnitza AI-Driven Workflow Generation

Describe the workflow you'd like to generate

GenerateReset



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Example AI Solution For ITAM:
Oomnitza AI-Driven System Documentation For Audits

Describe the document you'd like to generate

GenerateReset


System Overview


WorkflowDiagramExportIntegration



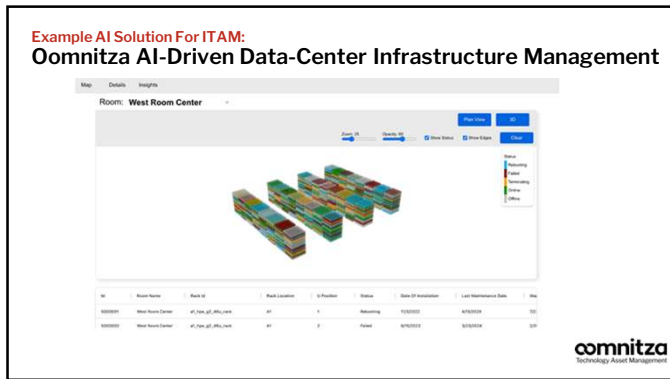
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Example AI Solution For ITAM:
Oomnitza AI-Driven Relationship Modeling (Graph RAG)





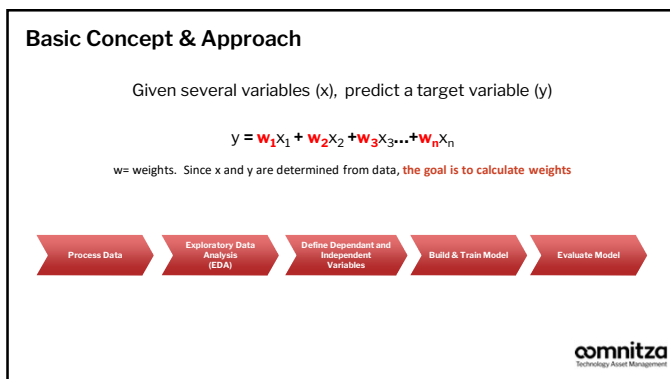
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Most Businesses Struggle With Data Quality & Processing

Errors With Data Collection

Limited Automation

Poor Data Model Design

Shadow IT and Untracked Assets

Siloed Data Sources

Poor Data Governance

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Bad Data Leads to Bad AI Leads to Critical Business Issues

Data + Machine Learning = 🤖

Data + Artificial Intelligence = 🤖

Data + Generative AI = 🎨

Data + Agentic AI = 🤖🤖🤖🤖🤖🤖🤖🤖🤖🤖

"Highly capable **agentic AI** using **inaccurate data** will cause **outages, exposed attack vectors** and **budget overruns**. I&O leaders must take immediate action to address data quality in technology asset repositories, observability and IT monitoring tools, configuration management databases (CMDBs), and other systems of record."

— Roger Williams | VP, Research at Gartner
Source: Innovation Insight: Agent-Native I&O
February 26, 2025

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delivers accurate,
high quality ITAM data

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Exploratory Data Analysis (EDA)

What is EDA?

- Combination of visualization techniques and statistical methods
- Exploring and summarizing key information within the data

Why EDA is Useful?

- Gain good insights into the data
- Uncover underlying structure of the data
- Determine the best strategy to handle unclean data (**missing values, outliers** etc.)
- Identify initial set of observations and insights
- Establish intuitive understanding of data to help validate results derived from ML models later

Total Record Count By Year

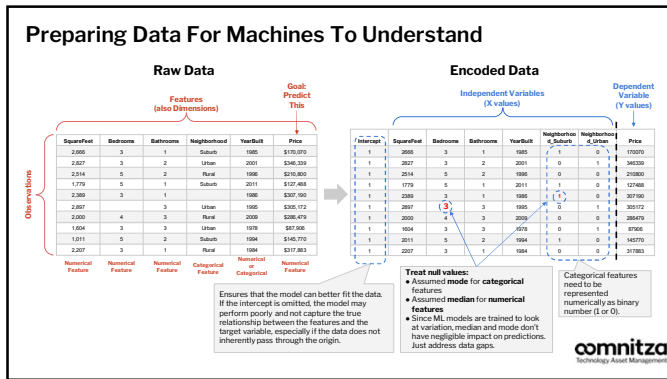
Power vs New price

Heatmap

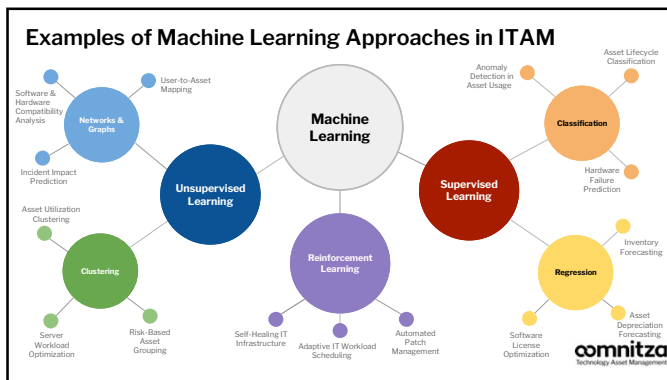
Scatter plot

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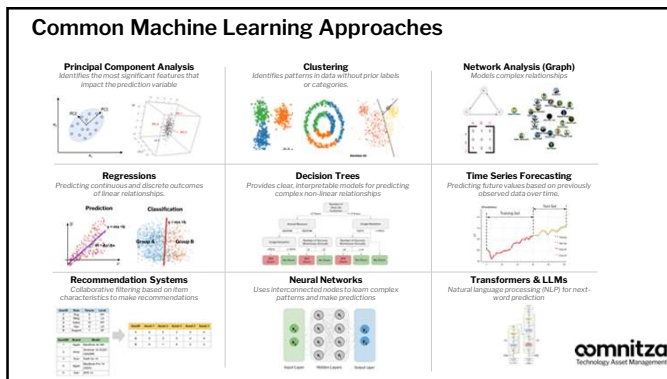
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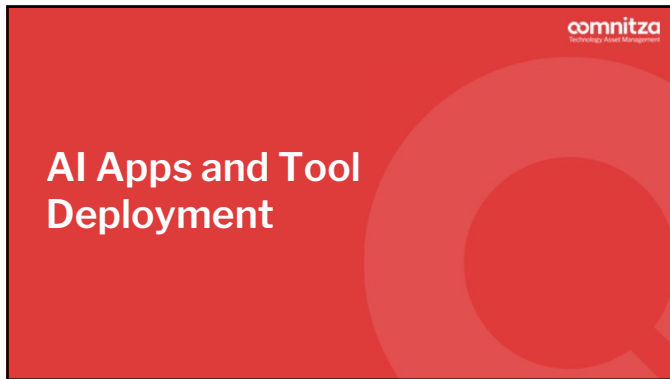
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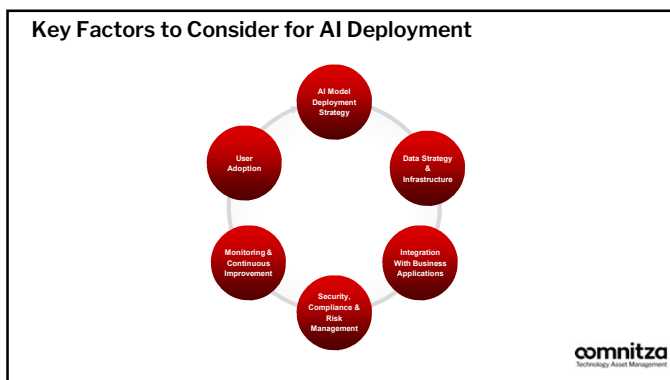
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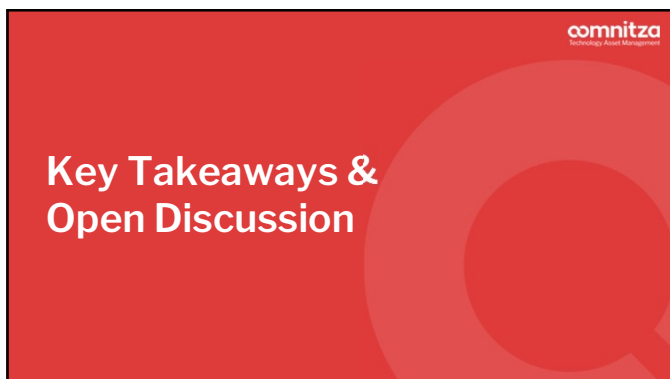
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Three Key Takeaways

1. AI is Only as Good as Your ITAM Data

Without accurate, complete, and well-structured IT asset management data, AI solutions will struggle to provide meaningful business value. Poor data quality leads to unreliable predictions, inefficiencies, and failed AI initiatives.

1. Business Context is Critical

If you don't have a clear understanding of how ITAM drives business value—such as cost optimization, security, compliance, or efficiency—AI-driven solutions will lack the right focus, leading to misaligned outcomes and wasted investment.

2. Data Governance and Strategy are Prerequisites for AI Success

AI isn't a magic fix; it depends on a strong ITAM foundation. Prioritize data governance, normalization, and integration across IT ecosystems to maximize AI's potential to enhance decision-making and drive business impact.



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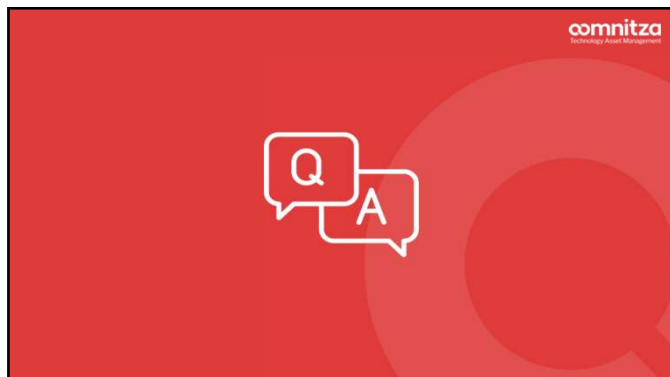
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