

# Utilizing Analytics, AI and Automation to Optimize EHS&S performance



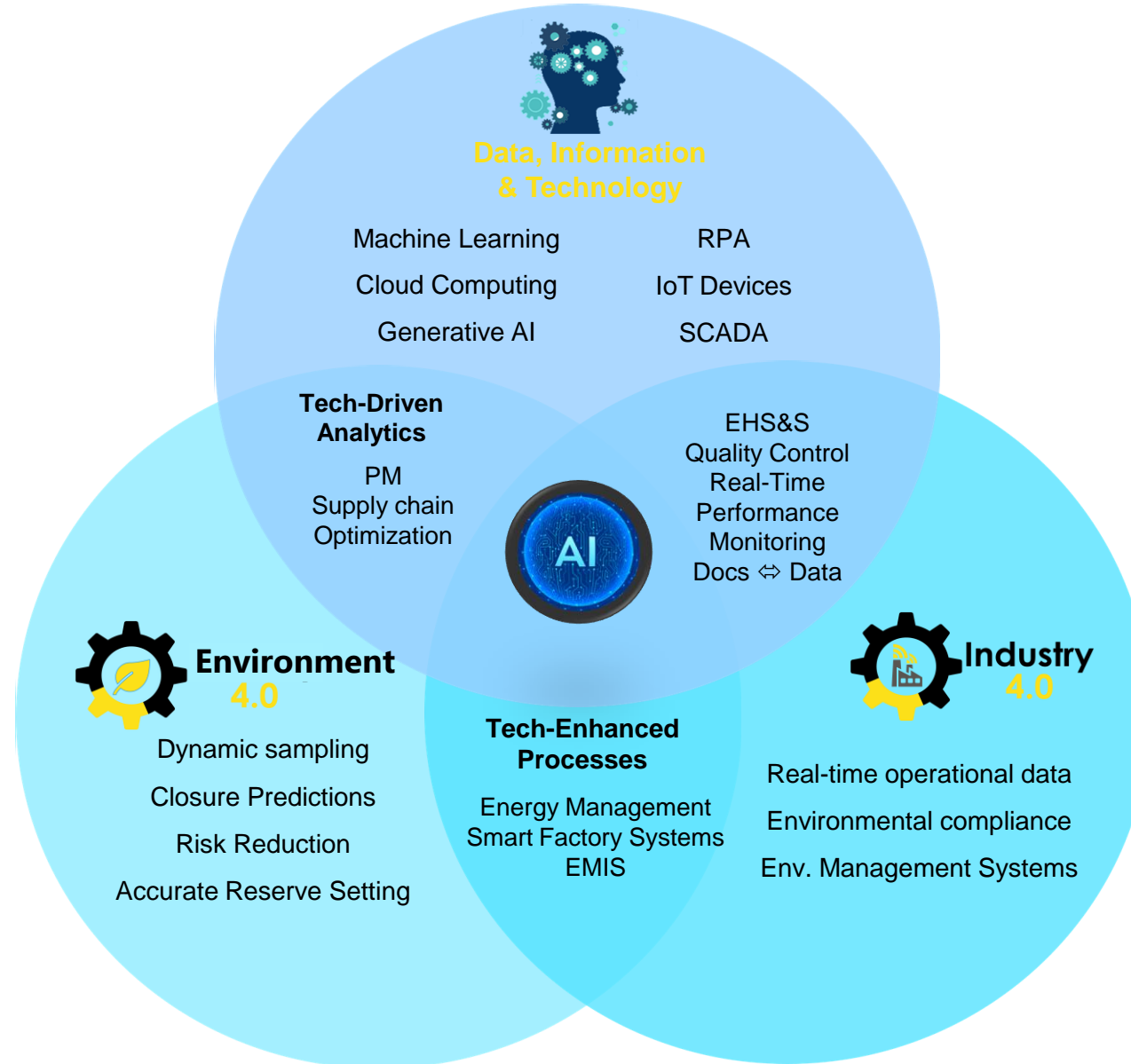
# Agenda

- The Nexus of Industry, Environment, and AI
- EHS&S Maturity Map: Where are You?
- Use Cases by Maturity
- Summary of Value

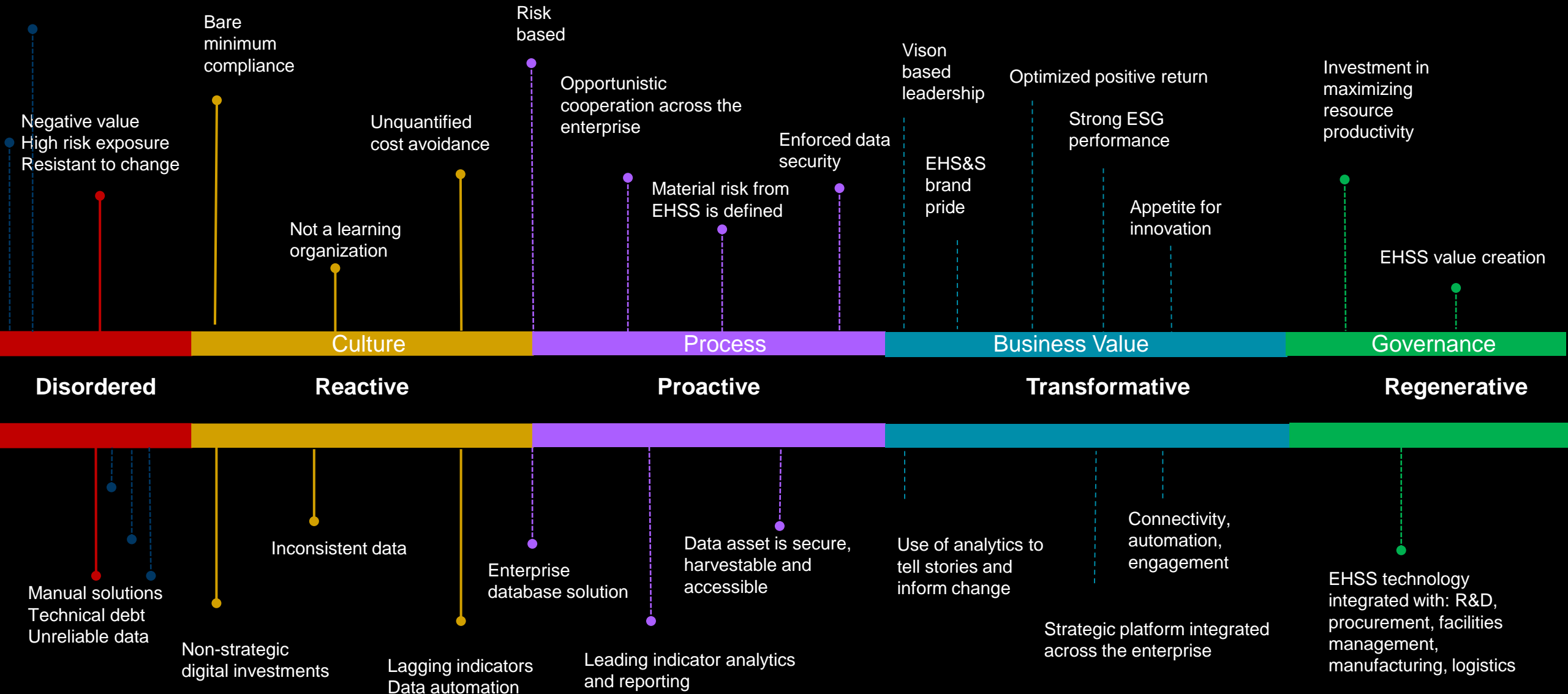


# EHS&S AI

What happens at the nexus of Environment, Industry and AI?



# EHS&S Digital Maturity Map: Where are You?



# Potential Use Cases

Disordered

Reactive

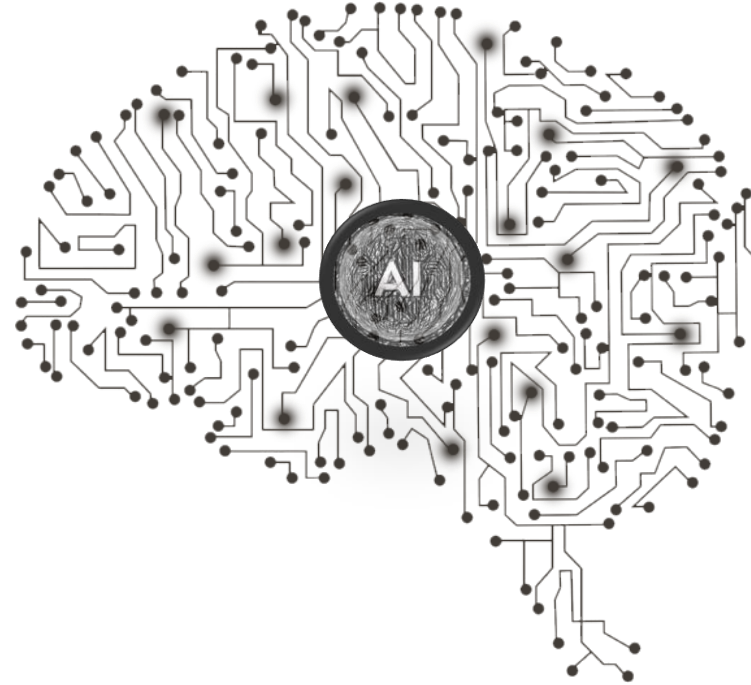
Proactive

Transformative

Regenerative

## Doc Mining

Converting documents to data



## Dashboarding

Consolidating EHS Data Source with comprehensive visualization layers



## Automation

Robotic Process Automation to streamline repetitive tasks



## Reporting

From data to deliverables in one click



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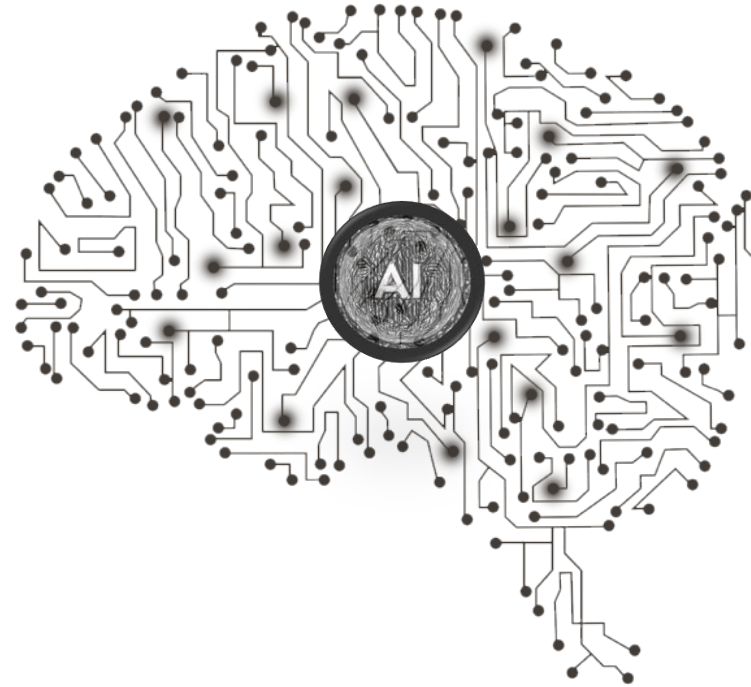
Proactive

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## Safety

To ensure compliance with safety standards and operational efficiency



## Decision Support

Make complex environmental data easier to understand and take action on



## Optimization

Hunting for cost savings in routine sampling



## Product Safety

Integrating operator training, SOP and camera vision to enhance product safety



# Potential Use Cases

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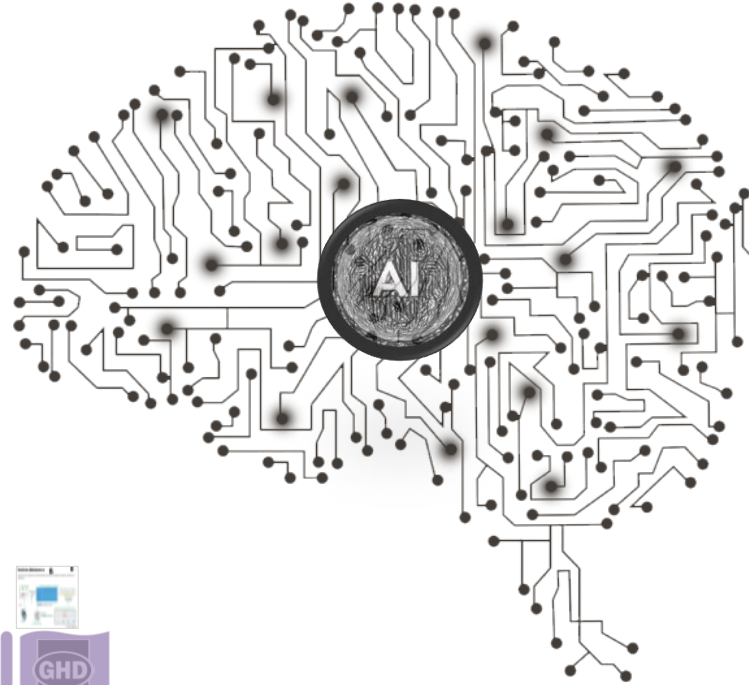
**Transformative**

Regenerative



## Maintenance

Predict and prevent equipment failures, reducing downtime and enhancing safety



## Process Safety

Detect deviations from safe operating procedures



## Enrichment

Enrich our understanding of liabilities by benchmarking with public data



## Predict Closure

Machine Learning to predict environmental liability closure timelines



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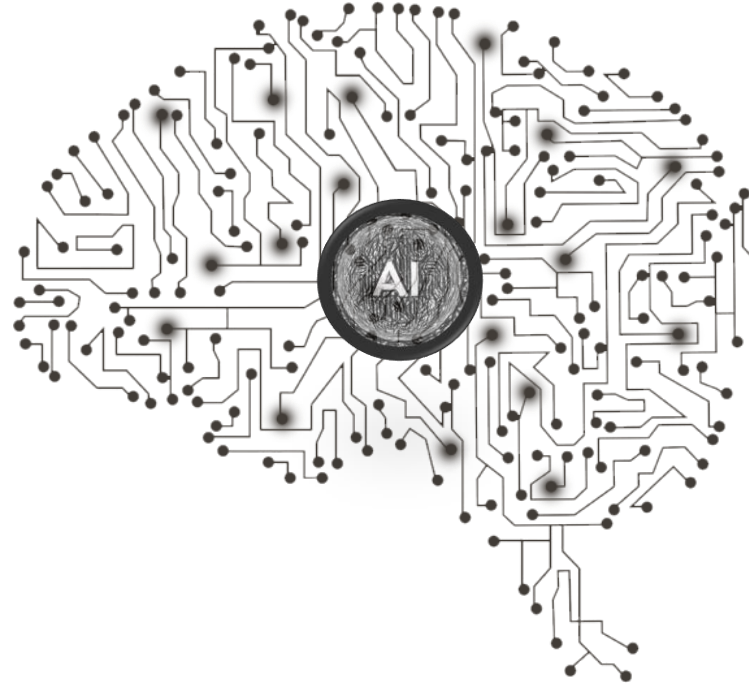
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## Gen AI Bots

AI bots assist in equipment troubleshooting, performance analysis and maintenance procedure assistance and incident management



## Knowledge Mining

Close the expert gap by making regulations and other complexities easier to understand and use



## Optimizing GenAI

Systematically evaluate and improve on GenAI







Embark on a journey where Data Science, Technology and Industry expertise converge to fuel your transformative endeavors **within your ecosystem**

## ✓ Enhanced Operational Efficiency and Productivity

AI + 1st Principles based predictive models, with real time performance monitoring & early diagnostics.

## ✓ Data Driven Decision Making

Industrial AI synthesizes data from various IT/OT sources to provide actionable intelligence

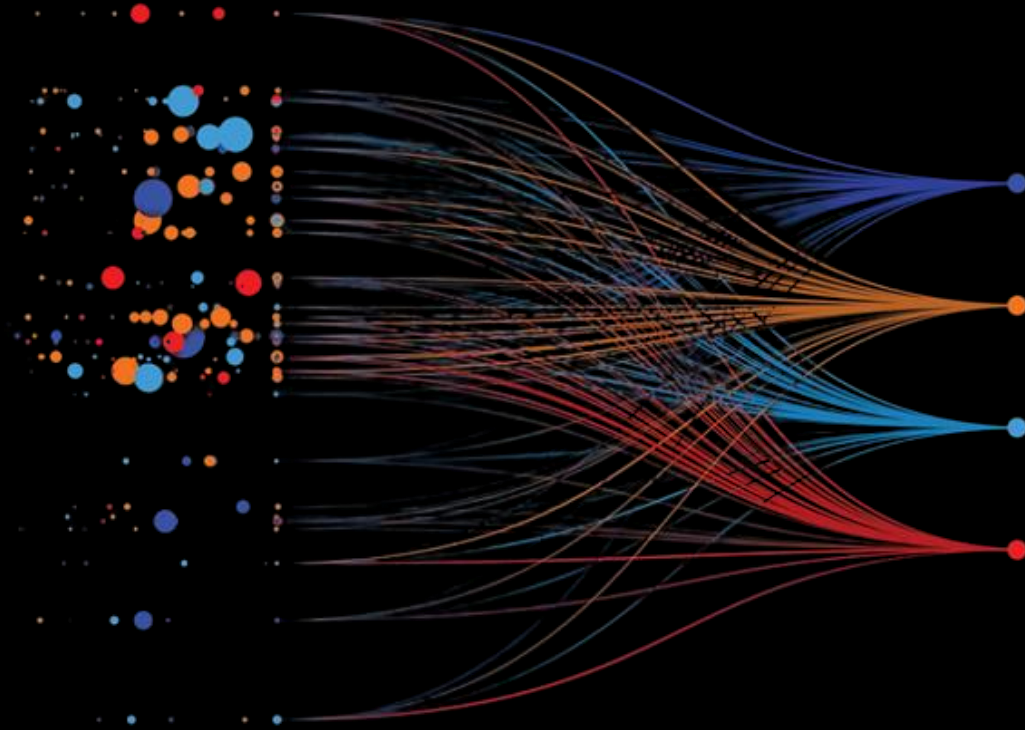
## ✓ Sustainability and Environmental Compliance

AI enables smarter use of resources & energy management, advancing sustainability goals.

## ✓ Enhance Enterprise Transparency

Value creation across the enterprise through holistic understanding

# Thank You



## Advanced Analytics and AI Capabilities in Action

Unlocking transformative  
insights and efficiencies

