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AI for Competitive Edge & Compliance in Manufacturing

A roundtable discussion



Regulatory, Ethical, Legal, & Business Risks

Risk Framework

NIST AI RISK Framework

- <https://www.nist.gov/itl/ai-risk-management-framework>

Define a policy, define the rules.

AI Governance is CRITICAL

What to avoid?

No customer data in public AI

No AI data in marketing/public data (Copyright)

Use it with Intent.

Know when it's in use.

How are you using it now?

- What tools?
- What goals?
- What is its purpose?

Where can we build efficiency?

By removing repetitive, time-intensive tasks.



AI Tools

Text

ChatGPT

Gemini

Copilot

Perplexity AI

Apple Intelligence

Research

ChatGPT Reason

Perplexity Scholar

Image

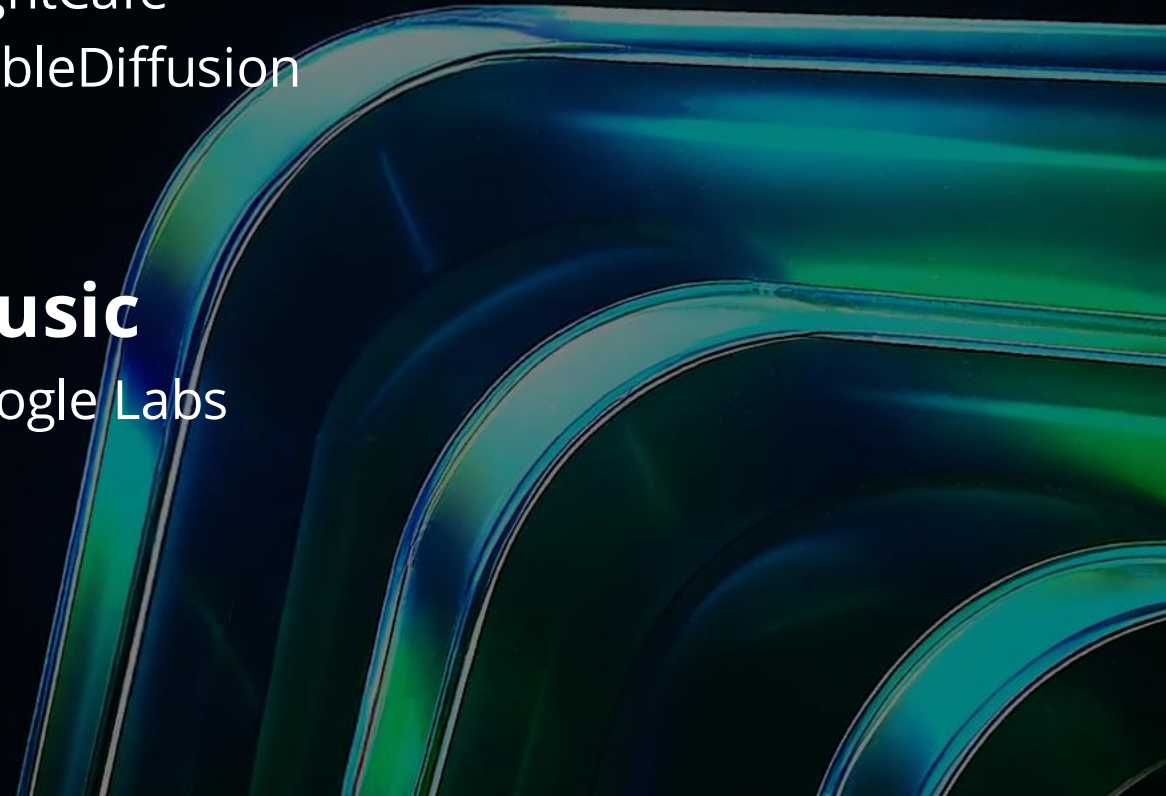
Midjourney

NightCafe

StableDiffusion

Music

Google Labs



What is the goal?

What are we using it for?

How can we use it more efficiently?

- Documentation & Form Completion
- Data Analysis & Reporting
- Employee Efficiency



AUDI

Case Study

- AI is used to collate data across all production facilities
- AI is used to report on correlations
- AI is handling Quality Assurance items between unrelated systems
- AI is handling data input across multiple disconnected systems

In which areas will Audi use AI in production in the future?

Eck:

There are four areas in particular where we can fully exploit the potential of AI. **First**, it can improve product quality by warning when errors occur. **Second**, it can prevent errors by relieving people of repetitive work that doesn't add value. **Third**, AI can optimize processes by revealing correlations that people don't recognize. This lowers costs by increasing efficiency. And **last** but not least, AI can frequently help increase the output or performance of processes or machines.

"Today, we assume that digitalization can reduce factory costs by up to 30 percent overall."

- Rüdiger Eck

AI for Maintenance Ticket Review across all locations

// Tell Olive Story



How?

- Generative AI
 - ChatGPT, Perplexity, Gemini, etc.
- Custom AI Services
 - Personas
 - Agents
 - GPTs: <https://chatgpt.com/gpts>
 - Llama – Requires Python Expertise
 - ComfyUI
- Data Conversion
 - Zapier: [Zapier: Automate AI Workflows, Agents, and Apps](#)

What's next?

Ideas for use

Questions



Coming up next at 11:15am

TECH CON

Junior Ballroom

**Zero Trust Security
Models for Modern
Businesses**

Presentation with
Nate Schmitt

Bristol/Oxford

**Employee
Onboarding: How AI is
Changing the Game**

Live Demo with Kyle
Etter & Alex Piper

London/Edinburgh

**Enhancing Data
Visualization
with Power BI**

Workshop with
Jim Pierre

Cambridge

**Implementing AI
with Regulatory
Compliance in State,
Local, & Education**

Roundtable Discussion
with CIT vCISO