



Navigating risk in high-tech industries

From experience: managing risk for complex high-tech systems that define the future scientific discovery and healthcare delivery.

Industrie event 2025

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30-35
Years

Total design lifecycle requirement

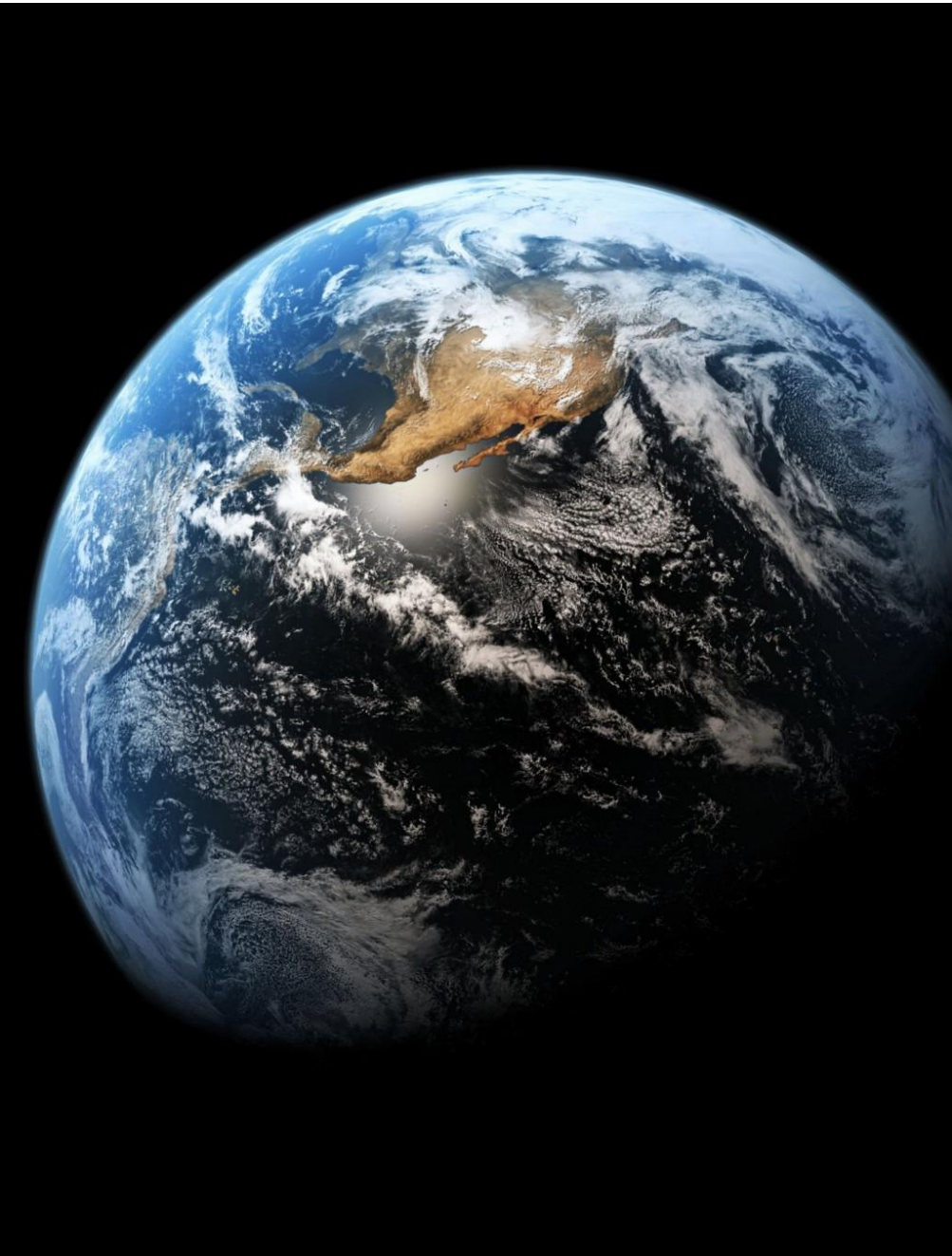
20+
Years

Expected operational lifespan



1000s
Components

Per complex system



The Evolving Supply Chain Landscape

Businesses need to coordinate supply bases over product lifetimes spanning decades, but face challenges in today's rapidly evolving world.

Rapid Global Evolution

Geopolitical shifts and market dynamics changing faster than ever before

Continuous Technology Advancement

Innovation cycles accelerating while legacy systems require sustained support

Regulatory Development

Compliance requirements evolving across multiple jurisdictions and industries

Specialized Customer Demands

Market segments becoming increasingly specific and demanding

Critical Questions for Long-Term Success

Material Access Security

How do we secure reliable access to critical materials over multi-decade product lifecycles?

Supply Chain Continuity

How do we maintain viable supply chains during extended operational periods?

Risk Evolution Management

How do we effectively manage risks that continuously evolve over time?





Current Risk Management is Insufficient

Traditional approaches focus on “HEADQUARTERS” and high-level supplier information, missing the critical granular risks in the supply chain that threaten long-term operations.

There is too much disruption

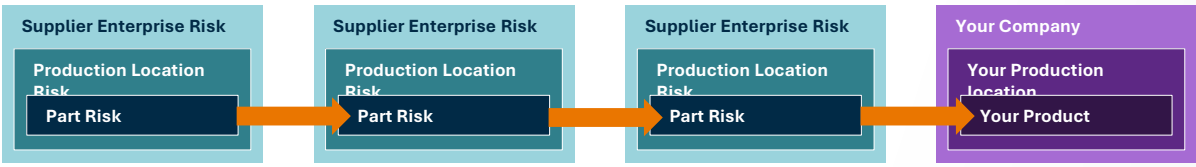
The Reality of Supply Risk Mgt

Risk can wil manifest itself through the full End2End supply chain

We don't purchase from headquarters

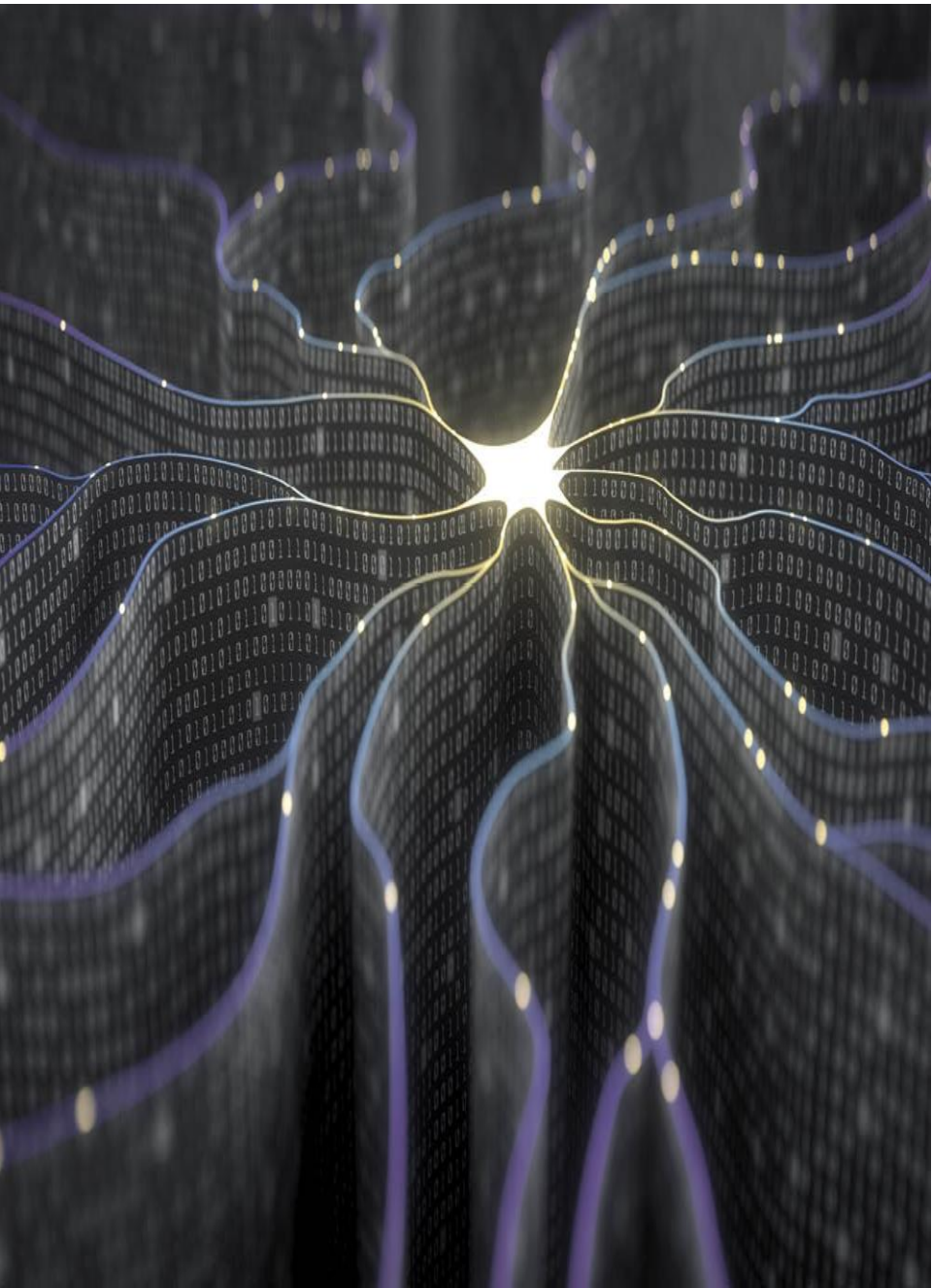
We buy distinct parts from specific production locations across the globe.

Each component carries unique risks within its own context.



So why aren't we assessing risk at this granular level where actual business transactions occur?





Procurement' Unique Advantage: connect the dots

Rich Data Access

Procurement possesses extensive data for mapping and tracking risks across the entire supply ecosystem



Advanced Tooling

Multiple sophisticated tools are available for tracking location, financial, and compliance risks



Procurements' Strategic Position:

Unique opportunity to elevate risk management and guide business decision-making more consciously



Procurements' elevated role:

Generate the strategic insights & solutions for the organization to understand, navigate, and address risk in a structured way.

What risk?

Supplier	Strategic Market positioning and competitive landscape threats
	Financial Economic stability and funding security assessment
Location	Production Location Natural disasters and geo-political threats
	Compliance Regulatory adherence and certification maintenance
Part	Technical Technology capability and innovation sustainability
	Operational/ performance Delivery capability and quality consistency

Each level requires distinct risk evaluation criteria, monitoring protocols, and mitigation strategies. This granular approach ensures comprehensive coverage across all aspects of the supply ecosystem.





Procurement as Supply Chain Risk **STRATEGIST**

- Data & insights derived from internal and external data sources across critical to success value chains
- Leverage data-driven insights to protect long-term business continuity
- Drive competitive advantage with your supply