

Supply Chain "Friend-Shoring"

Power & Energy Industry

From Cost-Optimized Global Sourcing to Resilience-Engineered Supply Networks

Global supply chains are undergoing a structural reset. The traditional "Just-in-Time" model—optimized for cost and efficiency—has been exposed as fragile in the face of geopolitical volatility, trade restrictions, and regulatory fragmentation. In today's environment, a single policy shift, tariff, or geopolitical event can disrupt supply continuity within hours—not months.

Leading organizations are now transitioning toward "Friend-Shoring"—restructuring supply chains around trusted, politically aligned regions to ensure long-term stability. Supply chain resilience is no longer a defensive measure—it is a strategic differentiator that directly impacts financial performance and growth certainty.

5

Key Impact Dimensions

Geopolitical risk, supply continuity, project delays, cost trade-offs, and multi-tier visibility

3

Core Platforms

FortisIntel™, NEXORA™, and the 3D&S execution framework working in concert

4

Transformation Phases

Define, Design, Deliver, and Sustain — a complete resilience engineering cycle

Transforming supply chains into resilient, geopolitically aligned networks — www.fortisandpeak.com

The Strategic Challenge

The core vulnerability facing global industrial players in the Power & Energy sector is a structural over-reliance on cost-optimized, globally dispersed suppliers. While this model delivered efficiency gains for decades, it has left organizations dangerously exposed to the realities of a fragmented geopolitical landscape. The organization at the center of this case could source globally—but could not guarantee supply continuity in a volatile environment.

▲ Limited Supplier Visibility

Visibility was largely confined to Tier-1 suppliers, leaving Tier-2 and deeper networks as blind spots with unquantified risk exposure.

▲ Trade & Regulatory Exposure

Tariffs, export controls, and evolving trade restrictions created unpredictable cost and availability risks for critical energy components.

▲ Cost-Driven Procurement

Procurement decisions were optimized for lowest cost—not resilience—leaving the organization vulnerable to high-impact supply disruptions.

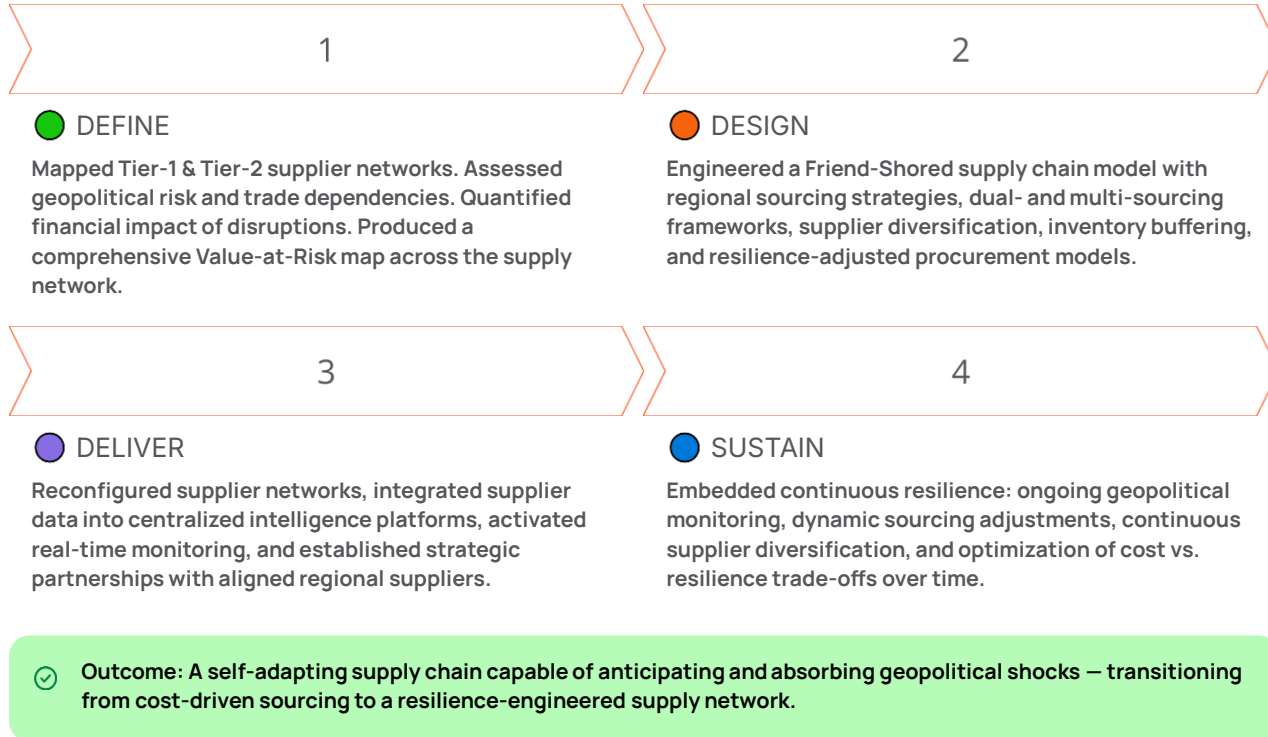
▲ Critical Component Risk

High disruption risk for energy infrastructure, semiconductors, and battery materials—components with long lead times and few alternative sources.

The organization could source globally—but could not guarantee supply continuity in a volatile geopolitical environment.

Transformation Powered by 3D&S

Fortis & Peak deployed its proprietary 3D&S execution framework—Define, Design, Deliver, Sustain—supported by FortisIntel™ and NEXORA™ to engineer a fully resilient, Friend-Shored supply network. Each phase built upon the last, converting strategic insight into operational reality.



Core Platforms in Action

The transformation was powered by two proprietary intelligence platforms working in concert with the 3D&S methodology. Together, FortisIntel™ and NEXORA™ provide the intelligence layer, operational visibility, and predictive capability required to sustain a geopolitically resilient supply chain at scale.

FortisIntel™

Geopolitical & Supply Chain Intelligence Engine

- Maps supply chain exposure across all regions and tiers
- Quantifies "Value-at-Risk" from geopolitical disruptions
- Enables resilience-driven strategic decision-making

NEXORA™

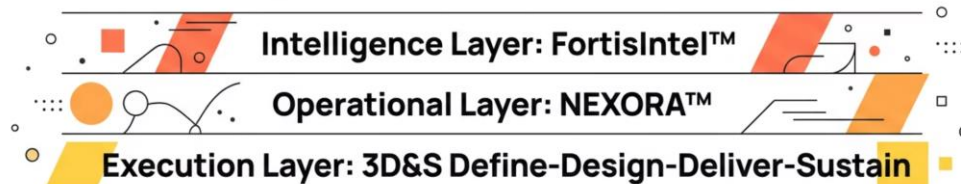
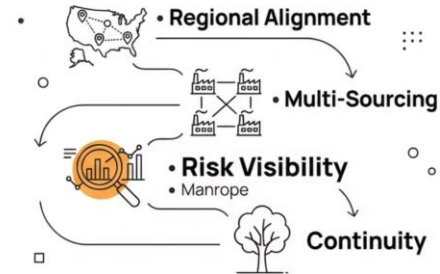
Operational Intelligence & Visibility Platform

- Provides real-time monitoring of supplier performance and risks
- Integrates supply chain data across all systems
- Enables predictive insights and proactive interventions

TRADITIONAL MODEL



FRIEND-SHORED MODEL



Measurable Impact & Strategic Positioning

The Friend-Shoring transformation delivered measurable, multi-dimensional impact across the organization's supply chain operations. By embedding resilience as a core operational capability rather than a reactive measure, Fortis & Peak enabled the client to achieve both strategic security and competitive advantage in a volatile global market.



Reduced Disruption Exposure

Significantly reduced exposure to geopolitical and regulatory disruptions across critical component categories.



Improved Supply Continuity

Enhanced supply continuity for critical operations and energy infrastructure projects, avoiding costly delays.



Multi-Tier Visibility

Full visibility across Tier-1 and Tier-2 supplier networks, eliminating blind spots and enabling proactive risk management.



Balanced Cost & Resilience

Optimized cost efficiency without sacrificing reliability, strengthening long-term strategic positioning in global markets.

In a volatile world, the most competitive supply chains are not the cheapest – they are the most resilient, visible, and strategically aligned.

This engagement positions Fortis & Peak as the creator of FortisIntel™ and NEXORA™, and the owner of the 3D&S methodology – a firm that transforms supply chains into strategic, resilience-driven assets and leads the enablement of next-generation, geopolitically aligned supply networks.

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