

The New Age of Energy Insecurity: Implications for Global Supply Chains and Emerging Economies

Global economy faces a new round of energy insecurity: geopolitical concerns, resource nationalism, and supply disruptions reshape the global business. The conflicts around the world, especially between Iran and Israel recently have escalated global anxieties concerning the stable flow of energy, showing clearly how vulnerable global supply chains are. For emerging economies, particularly energy-import dependent nations such as India, fluctuations in oil, gas, and LPG supplies pose significant economic and operational challenges.

The core importance of energy supply cannot be overlooked as it is a fundamental aspect of industrial production, transportation and provision of services. Any disruption in oil and gas supplies directly affects manufacturing costs, logistics efficiency, and the availability of essential commodities. The strategic maritime choke points such as the Strait of Hormuz, through which a significant part of world's trade in crude oil travels-serve as a reminder how geopolitical tensions can directly translate into disruption of supply chains. When uncertainty in such regions escalates, it triggers volatility in energy prices, increases transportation costs, and amplifies operational risks for firms operating across borders.

For developing countries especially, there is an increase in the costs of inputs for the industries relying on energy-intensive production processes. Logistics networks encounter increased freight expenses and delays. In addition, service sectors—from aviation to digital infrastructure—experience cascading effects as energy costs surge. These disruptions challenge the conventional strategy of the global sourcing which prioritizes efficiency and lower cost.

In this evolving context, operations management must shift toward resilience and adaptability. Firms are increasingly compelled to diversify sourcing, invest in alternative energy, and rethink supply chains to overcome the risks associated with dependence on a single geographical region. Strategic inventory management, regionalization of supply networks, and long-term energy procurement agreements are emerging as key tools to mitigate risk.

The current wave of energy insecurity underscores a critical lesson: in an era of geopolitical insecurity, supply chain that focuses only on efficiency is not sustainable any longer. For businesses and policymakers in emerging economies, strengthening energy resilience and fostering diversified supply networks will be essential to maintaining stability, competitiveness, and sustainable growth in an increasingly volatile global environment.



Dr. Khushbu Agarwal
Editor in Chief