



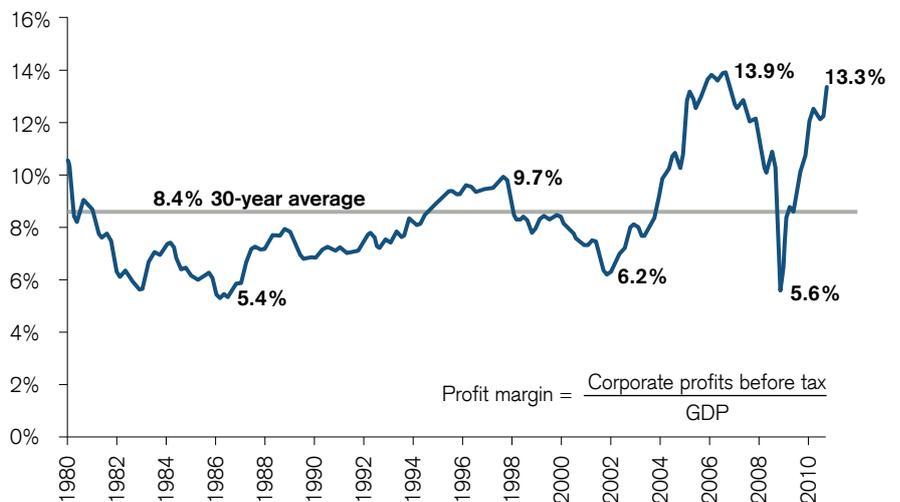




but has arguably enlarged the societal risk of “cascading economic breakdowns” as well. This is thanks to the growing prevalence of widespread supply chain risks. Specifically, increasing reliance on single corporate sources of supply and dependence on production capacity in a single, frequently distant location has not only accompanied developed market “manufacturers” ongoing evolution towards becoming assemblers or distributors of products made elsewhere in the world, but it has also led competing brand name firms to embrace the same leading contract manufacturing firms while simultaneously shedding dedicated strategic R&D initiatives.

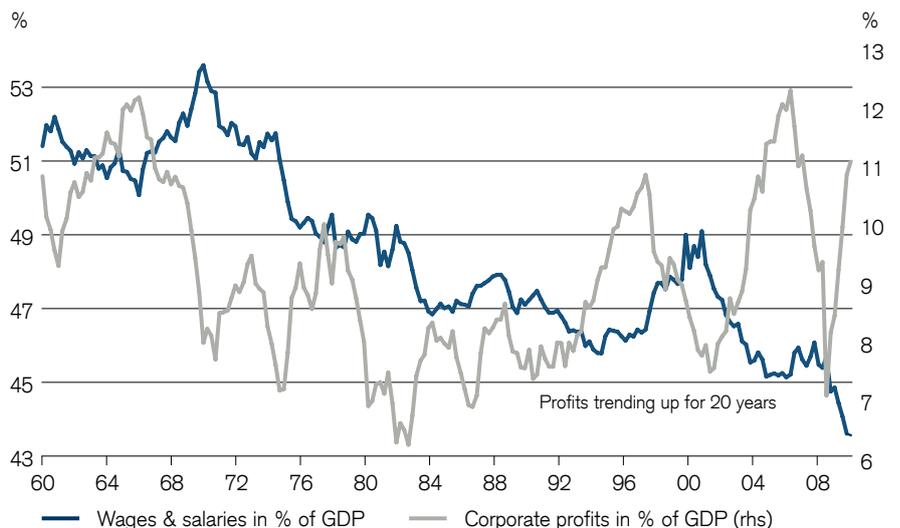
Upshot: in place of multiple production lines of more vertically integrated firms outsourcing locally, we now have progressively more “polygamous” contract manufacturing at firms such as Flextronics, Foxconn, or TSCM where the product runs of intense competitors can take place right next to each other on the factory floor. Case in point: a telecom product stamped with the Cisco brand (“the ideal is for Cisco not to touch the product ever,” according to the company’s erstwhile top logistics manager) may be assembled within a few meters of a product stamped Juniper or Alcatel-Lucent. The associated growth in corporate supply chain risk has led to a growing number of insurers offering “business interruption” coverage. Unfortunately for the insured, quantifying the damage of even a modest break in supply is nearly impossible. Moreover, as of early in the new millennium one common insurance liability had evolved: no coverage for any chain of production that traced back to Hsinchu Industrial Park in Taiwan.

**Chart 6: US pretax profit margins as percent of GDP**



Source: Standard & Poor's

**Chart 7: US wages and profits as shares of GDP**



Sources: Bloomberg, Clariden Leu / IDC

Examples of globalization-related supply chain turbulence:

- The July 1993 explosion at a Sumitomo Chemical chemical plant in Hiihama, Japan, shut down roughly half the global capacity for a high-grade epoxy

resin, called cresol, used in the plastic casing of semiconductor chips; by August, the price of memory chips had doubled and PCs had spiked by up to USD 100 per machine (Associated Press, July 20, 1993).













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