

Micro-Bite

2026 Top 5

5 Macro-Themes at Micro-Size



Outline

2025 has been a dynamic year in a volatile decade, these are 5 major themes to watch out for through 2026

- ∞ Global Recession
- ∞ De-Americanization of Biotech
- ∞ AI Financial Bubble
- ∞ Juvenile Health Crisis
- ∞ Big Fission

with 1 additional:

- ∞ Cold War – Hot War

Global Recession

US Recession feeds into already Global Recession, more food and funding crises to come

- ∞ **US 2025 Q1 GDP was Negative¹, Q3 delayed and partial release, Q4 ???**
 - ∞ Q2 saw rise in layoffs, softening of consumer spending
 - ∞ Q3 had 43-day Federal gov shutdown – delayed spending boom for Q4 potential
 - ∞ Likely technical recession starting Q1
- ∞ **Eurozone in and out of negative, averaging .1% GDP growth per Quarter²**
 - ∞ Germany Economic crisis, recession since 2022³
 - ∞ France has avoided definition recession, but *real* growth has maintained negative as inflation vastly outpaces GDP⁴
 - ∞ UK entered a recession in 2022-2023, while technically exiting, *real* growth near zero and funding crises a major threat⁵
- ∞ **China's economy more at-risk than just tariffs⁶**
 - ∞ Starting with a property crisis in 2020, China's domestic economy has stalled in growth. Consumption has struggled to maintain as underlying jobs economy lacks mechanical foundation for growth.
- ∞ **Japan, 4th biggest economy in world, hasn't meaningfully increased since 1995⁷**
- ∞ **India has seen largest acceleration of GDP, has failed to shake massive Adani Fraud Scandal⁸**
 - ∞ Investigation with supportive evidence driving international criminal cases and lawsuits: Allegedly, India's government, including Modi, aligned domestic contracts with Gautam Adani businesses for oligarchical-style enrichment and privatization of infrastructure. Premier allegation was the mis-valuation of Adani business assets, Indian infrastructure, and thus falsification of GDP growth.

1. <https://www.bea.gov/data/gdp/gross-domestic-product>

2. <https://ec.europa.eu/eurostat/web/products-euro-indicators/w/2-14112025-ap>

3. [https://en.wikipedia.org/wiki/German_economic_crisis_\(2022%E2%80%93present\)](https://en.wikipedia.org/wiki/German_economic_crisis_(2022%E2%80%93present))

4. https://economy-finance.ec.europa.eu/economic-surveillance-eu-member-states/country-pages/france/economic-forecast-france_en

5. <https://www.theguardian.com/business/live/2025/nov/28/black-friday-consumers-scams-bad-deals-stock-market-ftse-pound-business-live>

6. [https://en.wikipedia.org/wiki/Chinese_property_sector_crisis_\(2020%E2%80%93present\)](https://en.wikipedia.org/wiki/Chinese_property_sector_crisis_(2020%E2%80%93present))

7. <https://www.imf.org/external/datamapper/NGDPD@WEO/JPN>

8. <https://www.nytimes.com/2025/11/18/business/adani-fraud-india.html>

De-Americanization of Biotech

Decline in funding, acceptance, and opportunity for scientific or medical research driving scientists and drug development out of US and into other diseases

- ∞ **Translation of tools for drug discovery and genomic editing for more diversity in therapeutic efforts**
 - ∞ Altered makeup of disease and cause of death between regions, drug development efforts largely contained to wealthiest diseases i.e. US (&CN) dominance
- ∞ **Brain drain + Financial opportunity**
 - ∞ Cost of Living Crisis & Anti-science/health movements
- ∞ **All new Orphan diseases**
 - ∞ US program accelerated and boosted access to funding for rare diseases in America, loss of program in functionality to reduce American Orphan disease preference

NEEDS:

- ∞ Formal Notation/Guidance through National Therapeutic Approval programs
- ∞ Increased direct funding for pre-commercial drug discovery research (flex research institutes)

AI Financial Bubble

AI as a tool is just beginning, while investors catch on to failure of AI triad to materialize

∞ Fragility in AI Triad (NVIDIA>OpenAI>Oracle)

- ∞ Agreement largely runs as NVIDIA invests hardware into OpenAI (and several proxies), OpenAI invests “computing power” into Oracle, and Oracle invests money into NVIDIA for hardware into OpenAI. No one buys anything, which means that the computational hardware and computations are paid by interest on loans with stock-backed collateral.
 - ∞ Any significant drop in value of any integral member of the financing circle, any failure in obligation to meet investor demands, would lead to an immediate failure of all members, instantly ending the financial architecture supporting.
 - ∞ In reality, it allows NVIDIA to claim up to investment in inventory sold at the rate and volume necessary up to the total investment, e.g. NVIDIA can meet and exceed sales numbers to support a narrative

∞ Key drivers:

∞ Google’s Hardware & Software^{1,2}

- Chromium is universal, engrained internet monopolization already bought-into

∞ DeepSeek & Chinese Alconomy³

- Export controls limit Chinese ability to fully utilize American tech, domestic policy accelerates development of competing technologies

∞ Alternative hardware designs and materials⁴

- Silicon is the frontrunner in material, not the end-all. Google recently showed off a specialized “chip” for efficiency and efficacy.

∞ Alternative model designs⁵

- LLMs, logically, answer with the most probabilistic series of words or objects, based on training data, given a prompt. Many more model designs have been in development long before, while more humanlike cognition models have taken hold in more academic working groups.

1. <https://blog.google/products/gemini/gemini-3/>

2. <https://www.the-independent.com/tech/openai-gpt-model-code-red-gemini-3-b2879968.html>

3. <https://www.bloomberg.com/news/articles/2025-12-01/deepseek-debuts-new-ai-models-to-rival-google-and-openai>

4. <https://www.stonybrook.edu/commcms/bnl/joint-initiatives/AIWorkshopPresentations/1.%20Hoisie%20-%20Novel%20AI%20Architectures.pdf>

5. <https://www.geeksforgeeks.org/artificial-intelligence/common-ai-models-and-when-to-use-them/>

Juvenile Health Crisis

MAHA's policies greatest effects on Youth

∞ Anti-Regulations, Anti-Fluoride, Anti-Vaccines, Anti-Kids Health

- ∞ Children, Elderly, and Medically Ill most at-risk for illness and disease – all rollbacks disproportionately affect most
- ∞ Operation Stork Speed¹ and general gutting of regulatory officials reduces food safety
- ∞ Fluoride is a critical mineral for oral bone, gum, and tooth health, general bone health, and potential neurodevelopmental pathways²
 - ∞ Disruption of municipal water fluoridation increases cavities, gum diseases, tooth decay – all common in children. There are no downsides.
- ∞ Increased public fear in Vaccines will lower total immunized rate, presenting old epidemics new footholds

∞ Much of the world is undergoing a healthcare crisis³, where the general population dwarfs the medical professional population. Access to timely and effective healthcare on decline.

- ∞ More chronic illnesses and disabilities in children through elderly, increased mortality rate and reduction in average lifespan
- ∞ Increased social spend on long-term assistance and care
- ∞ Increased distrust in medical and health professionals, government health policies

1. <https://www.hhs.gov/maha/index.html>

2. <https://publichealth.jhu.edu/2024/why-is-fluoride-in-our-water>

3. <https://www.who.int/news-room/questions-and-answers/item/q-a-on-the-health-workforce-crisis>

Big Fission

Nuclear winter ends, Fission gets acceptance & Funding

- ∞ **Trump DOE¹ & Big Tech² acceptance of Nuclear fission leading to financial renaissance.**
- ∞ **Small Modular Reactors (SMR) pose dynamic solution, large GWh reactors still more attractive for modern energy-grids**
 - ∞ **SMR allows stabilization of manufacturing pipeline**
 - ∞ Constant requests ensures continuity of demand for production
 - ∞ Large quantities allow for competition and development of efficient manufacturing pipelines
 - ∞ **Major barrier in Fission is initial construction huge cost, large output lowers cost, making net-positive difficult**
 - ∞ Special financing of initial construction, or special assurance for energy demands and cost security (e.g. data centers) boost
 - ∞ **Modern Nuclear Fission Regulations overhaul could allow for more efficient large-scale reactor developments**
 - ∞ Condensation of construction and management operations
- ∞ **Higher yield rods yield higher energy output³**
 - ∞ DOE trials with increased enrichment rods promises increased output from the same reactors
- ∞ **Big Batteries enable big production⁴**
 - ∞ Extensive criticism of fission is overproduction; energy grid demands fluctuate throughout the day and year, difficult to modify fission appropriately
- ∞ **Recycling automation and safety⁵**
 - ∞ A major detractor, and potential benefit, of fission is fissile waste; 'waste' rods can be recycled for continued use, advancements in robotics and material science enable automated and repeated use of 'waste rods' for continued energy production and reduction in waste footprint.

1. <https://www.cnn.com/2025/11/10/nuclear-power-energy-department-chris-wright-loan-westinghouse-ai-data-center.html>
2. <https://www.reuters.com/business/energy/big-tech-contracts-inject-life-into-new-nuclear-2025-02-19/>
3. <https://www.ans.org/news/2025-08-14/article-7279/highburnup-fuel-rods-arrive-at-pnnl-for-testing/>
4. <https://www.energy.ca.gov/news/2025-11/californias-battery-storage-fleet-continues-record-growth-strengthening-grid>
5. <https://biz.chosun.com/en/en-science/2025/10/28/CXJX3BZC4ZGFVOLXAHJGKZ3QOI/>

Cold War – Hot War

Numerous geopolitical crises force preparation for more

∞ Recent leak revealing existence of German 1200-page plan¹ for NATO mobilization through strategic routes

- ∞ High probability actual plan has leaked; Germany must continuously monitor, develop, and make new transportation routes to safeguard against sabotage
- ∞ Developed transportation routes, specifically for large military cargo and troop deployment through NATO/EU territories, increases potential and actual for intra-European trade

∞ European military recruitment plans

- ∞ Germany² just has, France³ is finalizing and instituting plans to recruit tens of thousands of citizens for active and reserve military status, with more of EU joining in

∞ NATO GDP requirements⁴

- ∞ 5% GDP requirements, even if not met, significantly increase global defense spending
- ∞ Domestic development to escalate across much of developed nations, e.g. Ukraine now top drone developer and manufacturer

∞ Russia's Hybrid Warfare triggering NATO⁵

- ∞ Continued incursions by Russian military drones into NATO airspace has initiated several emergency top-level security meetings in Europe over the last couple of months. NATO leaders have recently called for pre-emptive strikes against Russia's hybrid warfare. A recent potential assassination attempt on Ukrainian leader Zelenskyy⁶ illustrates the potential volatility in the area.

1. <https://behorizon.org/operation-plan-germany/>

2. <https://www.bbc.com/news/articles/ckg9drg8pg1o>

3. <https://www.bbc.com/news/articles/c0edw7g7z79o>

4. <https://www.nato.int/en/what-we-do/introduction-to-nato/defence-expenditures-and-natos-5-commitment>

5. <https://www.nato.int/fr/news-and-events/events/transcripts/2025/12/03/press-conference>

6. https://www.thejournal.ie/drones-dublin-ireland-hybrid-warfare-russia-6893104-Dec2025/?utm_source=thejournal&utm_content=top-stories

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