

Considerazioni

cage

2 gennaio 2025

Outline

Quali Critiche?

- consumo energetico

Quali Critiche?

- consumo energetico
- distorsioni cognitive

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- consumo energetico
- distorsioni cognitive
- parziale inutilità

"By this year [2027 nota mia], NVIDIA could be shipping 1.5 million of its AI server units, even as its market share is projected to decline.¹⁰ Given a similar electricity consumption profile, these machines could have a combined power demand of 9.75–15.3 GW. Annually, this quantity of servers could consume 85.4–134.0 TWh of electricity."¹

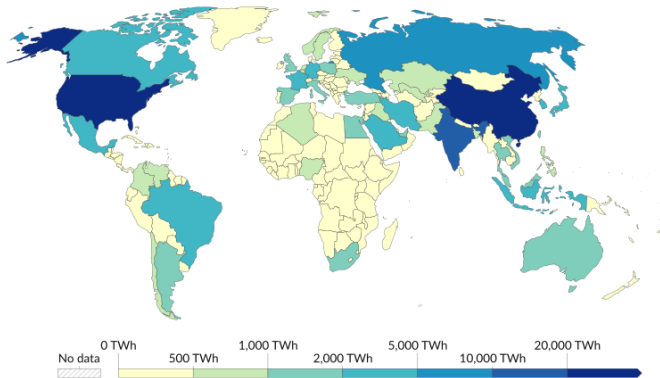
¹vries-2023

Consumo Energetico

Primary energy consumption, 2023

Primary energy consumption is measured in terawatt-hours, using the substitution method.

Our World
In Data



Data source: U.S. Energy Information Administration (2023); Energy Institute - Statistical Review of World Energy (2024)

Note: Data includes only commercially-traded fuels (coal, oil, gas), nuclear and modern renewables. It does not include traditional biomass.

OurWorldInData.org/energy | CC BY

Constellation Energy will reopen the Three Mile Island nuclear plant in Pennsylvania to provide power to Microsoft as the tech giant scours for ways to satisfy its soaring energy demand while keeping its emissions in check.

The companies on Friday unveiled a 20-year power supply deal¹

Per ultimare la bonifica dell'unità 2 furono necessari 13 anni di lavori. Incominciati nell'agosto del 1979, finirono nel dicembre del 1993 [...], con una spesa di 975 milioni di dollari circa.¹

Google said on Monday it signed the world's first corporate agreement to buy power from multiple small modular reactors to meet electricity demand for artificial intelligence. The technology company's agreement with Kairos Power aims to bring Kairos' first small modular reactor online by 2030, followed by additional deployments through 2035.¹

- <https://foundation.mozilla.org/en/blog/facial-recognition-bias/>
- <https://www.nature.com/articles/d41586-022-03050-7>
- <https://www.media.mit.edu/projects/gender-shades/overview/> (citato nel precedente)
- <https://amnesty.ca/features/racial-bias-in-facial-recognition-algorithms/>

Nel romanzo di fantascienza: "Il Ristorante al Termine dell'Universo", i protagonisti atterrano su un pianeta dove si è, precedentemente, schiantata (a causa di un guasto) una nave. Si scopre che, in origine, la nave naufragata aveva una gemella con cui stava affrontando il viaggio insieme, l'unica differenza era che, in quella costretta ad atterrare sul pianeta **casualmente**, erano stati fatti salire solo: operatori di borsa, addetti alle pubbliche relazioni, pubblicitari, burocrati vari; lasciando intendere al lettore che il guasto non fosse stato accidentale.

Quali Critiche?

Quali sono le vostre?

<https://www.aitrainingstatement.org/>

¹ https://it.wikipedia.org/wiki/Incidente_di_Three_Mile_Island
<https://www.nytimes.com/1993/08/15/us/14-year-cleanup-at-three-mile-island-concludes.html>

¹ <https://www.reuters.com/technology/artificial-intelligence/google-buy-power-small-modular-nuclear-reactor-company-kairos-ai-needs-2024-10-14/>

¹ Microsoft in deal for Three Mile Island nuclear power to meet AI demand Financial Times 20 Settembre 2024 <https://www.ft.com/content/ddcb5ab6-965f-4034-96e1-7f668bad1801>

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Volume 7, Issue 10 p2191-2194 October 18, 2023 The growing energy footprint of artificial intelligence
Alex de Vries [https://www.cell.com/joule/fulltext/S2542-4351\(23\)00365-3](https://www.cell.com/joule/fulltext/S2542-4351(23)00365-3)

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