

## Global nuclear energy generation

*In January 2025, 417 nuclear reactors were operational in 31 countries. Nearly half are located in the United States, France, and China. According to figures from the International Atomic Energy Agency (IAEA), 62 are under construction worldwide, a sign of a certain revival. Nuclear power accounts for around 9% of global electricity production. The significant increase in production in France is due to the restart of reactors that had been shut down. Japan is gradually reviving its nuclear industry after the [Fukushima accident](#). Germany, on the other hand, completed its nuclear phase-out following post-Fukushima policy decisions.*

### Nuclear energy generation (in TWh – terawatt hours)

Country	2023	2024	Changes for 2023-2024
United States	815.7	823.1	0.6%
China	434.7	450.9	3.4%
France	338.2	380.5	12.2%
Russia	217.4	215.7	-1%
South Korea	180.5	188.8	4.3%
Canada	88.4	85.5	-3.6%
Japan	77.5	84.9	9.3%
India	48.2	54.7	-13.2%
Spain	56.9	54.6	-4.2%
Ukraine	52.1	53	1.4%
Sweden	48.5	50.6	4.1%
United Kingdom	40.6	40.6	-
Belgium	32.9	31.2	-5.5%
Germany	7.2	--	-100%
<b>Total Worldwide</b>	<b>2,737.6</b>	<b>2,817.5</b>	<b>2.6%</b>

Source : [Nuclear share figures, 2012-2024, World nuclear association, 2025](#)