

THE MYTHS OF NUCLEAR POWER

or

why nuclear power is no future option for Serbia
(or any other country)



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Bezeichnung	Land	Kürzel	Typ	Betreiber	Bruttoleistung in MW	Nettoleistung in MW	Energieerzeugung bis 2015 in TWh [9]	Reststrommenge ab Januar 2016 in TWh [10]	Baubeginn	Beginn des kommerziellen Betriebs	Außer Betrieb	
											nach Reststrommenge [Anm. 1][11]	spätestens nach §7 AtG [12]
Isar/Ohu 2	BY	KKI 2	DWR	E.ON	1485	1410	300,7	49,029	15. Sep. 1982	9. Apr. 1988	26. Feb. 2020	31. Dez. 2022
Brokdorf	SH	KBR	DWR	E.ON	1480	1410	307,0	41,396	1. Jan. 1976	22. Dez. 1986	13. Sep. 2019	31. Dez. 2021
Philippsburg 2	BW	KKP 2	DWR	EnBW	1468	1402	319,7	30,582	7. Jul. 1977	18. Apr. 1985	4. Okt. 2018	31. Dez. 2019
Grohnde	NI	KWG	DWR	E.ON	1430	1360	328,4	31,228	1. Jun. 1976	1. Feb. 1985	11. Okt. 2018	31. Dez. 2021
Emsland	NI	KKE	DWR	RWE	1406	1335	296,7	55,018	10. Aug. 1982	20. Jun. 1988	12. Jan. 2021	31. Dez. 2022
Neckarwestheim 2	BW	GKN 2	DWR	EnBW	1400	1310	278,7	67,978	9. Nov. 1982	15. Apr. 1989	12. Apr. 2022	31. Dez. 2022
Gundremmingen C	BY	KRB C	SWR	RWE	1344	1288	286,9	11,074	20. Jul. 1976	18. Jan. 1985	14. Jan. 2017	31. Dez. 2021
Gundremmingen B	BY	KRB B	SWR	RWE	1344	1284	295,8	11,738	20. Jul. 1976	19. Jul. 1984	15. Mrz. 2017	31. Dez. 2017



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Is nuclear a good option to replace lignite in Serbia?

Belgrade

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Nuclear construction

China, Russia, South Korea, India

Europe:

- Olkiluoto 3, Finland
- Flamanville, France
- Mochovce 3,4 (early 2nd generation), Slovakia
- Astravetz, Belarus

Under preparation

- Hinkley Point C, UK
- Hanhikivi, Finland
- Paks II, Hungary

REALITY:

Nuclear energy is too risky to gamble upon

Nuclear energy is too expensive to matter

**Nuclear energy is
a 20th century energy source on its way out**

A nighttime photograph of a large, illuminated cathedral with multiple spires, situated on a hill. In the foreground, there are dark silhouettes of trees and a body of water reflecting the lights. To the right, several white tents are set up on a grassy area, suggesting a protest or demonstration. The overall scene is dark, with the primary light sources being the cathedral's lights and the ambient night lighting.

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The debate

Chernobyl

- 28, 32, 37, 39, 42, 57 deaths?
- 4000 deaths?
- 9600 deaths?
- between 10 000 and 200 000 deaths
realistic numbers around 40 000 (TORCH-2016) and 90 000 (Greenpeace 2005)

Fukushima

- nobody died?
- no health effects?
- currently increase in thyroid cancer; total radiation induced casualties in hundreds to thousands; already over 2000 non-radiation deaths