



## **Nuclear facilities in Germany**

### **Part I: Nuclear Facilities „In Operation“**

Table 1 - Nuclear power plants

Table 2 - Research reactors

Table 3 - Nuclear fuel cycle facilities (without interim storage and final repository)

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## **Table 1: Nuclear Power Plants**

No entry.

All nuclear power plants still in operation were shut down for good by government decision on 15/04/2023.

**Table 2: Research Reactors**

No.	Name	Abbrev.	Reactor type; Power	First criticality	Operator	Location of site
1	SUR Furtwangen	SUR FW	homogenous (S) / SUR-100 ; 1.0E-07 MW <sub>th</sub>	1973-06-28	Hochschule Furtwangen Labor für Strahlenmeßtechnik	Furtwangen (BW)
2	SUR Stuttgart	SUR S	homogenous (S) / SUR-100 ; 1.0E-07 MW <sub>th</sub>	1964-08-24 1969-06-12	Universität Stuttgart, Institut für Kernenergetik und Energiesysteme	Stuttgart (BW)
3	SUR Ulm	SUR U	homogenous (S) / SUR-100 ; 1.0E-07 MW <sub>th</sub>	1965-12-01	Technische Hochschule Ulm, Institut für Strahlenmeßtechnik	Ulm (BW)
4	Hochflussneutronenquelle München/Garching Start of routine operation 25.04.05	FRM II	Pool-type / compact core with D <sub>2</sub> O moderation; 20 MW <sub>th</sub>	2004-03-02	Technische Universität München	Garching (BY)
5	Forschungsreaktor Mainz	FRMZ	Pool-type / TRIGA MARK-II ; 0.1 MW <sub>th</sub>	1965-08-03	Johannes Gutenberg Universität Mainz, Institut für Kernchemie	Mainz (RP)
6	Ausbildungskernreaktor 2004 backfitting of reactor; now AKR-2. First criticality of AKR-2 on 2005-03-22.	AKR / AKR 2	homogenous (S) / SUR-Type ; 2.0E-06 MW <sub>th</sub>	1978-07-28 2005-03-22	Technische Universität Dresden, Zentrum für Energietechnik	Dresden (SN)

**Table 3: Nuclear Fuel Cycle Facilities (without interim storage and final repository)**

No.	Name	Abbrev.	Begin of Operation	Operator	Annual capacity//Total capacity	Production	Location of site
1	Brennelement-Fertigungsanlage Lingen	ANF	1979-01-19	Advanced Nuclear Fuels GmbH	Conversion, production of pellets and fuel element production up to 800 Mg uranium/a and with max. enrichment up to 5 %	Production of fuel elements for light water reactors.	Lingen (NI)
2	Pilotkonditionierungsanlage Gorleben	PKA	2000-12-19	Brennelement-lager Gorleben GmbH	35 Mg SM/a; Intermediate storage capacity up to 12 Mg SM/a	Repair of defective casks; Conditioning of radioactive waste for intermediate storage and disposal	Gorleben (NI)
3	Urananreicherungsanlage Gronau	URENCO	1985-08-15	URENCO-Deutschland	Actual annual capacity 2,750 Mg SWU/a. License for the increase up to 4,500 Mg SWU/a was granted on 2005-02-14. Also licensed is the handling up to 7,285 Mg feed, 1,327 Mg product and 76,514 Mg tails. Storage is licensed up to 10,000 Mg feed, 1,250 Mg product (up to 6%) and 97,062 Mg tails	Enrichment of uranium up to 6% U-235 by centrifuge	Gronau (NRW)