

ABBREVIATIONS

ADAM	Facility with Three Adiabatic Methanation Reactors (Anlage mit drei adiabaten Methanisierungsreaktoren)
AFC	Alkaline Fuel Cell
AICC	Adiabatic Isochoric Complete Combustion
ALWR	Advanced Light-Water Reactor
BMC	Battelle Model Containment
BWR	Boiling Water Reactor
CETS	Chemical Energy Transmission System
CFD	Computer Fluid Dynamics
CHP	Combined Heat and Power
CNG	Compressed Natural Gas
DDT	Deflagration-to-Detonation Transition
DLR	Deutsche Forschungsanstalt für Luft- und Raumfahrt
DMFC	Direct Methanol Fuel Cell
EC	European Community
EPR	European Pressurized Water Reactor
EPRI	Electric Power Research Institute
EQHPP	Euro-Quebec Hydro-Hydrogen Pilot Project
ET	External Tank
EVA	Single Tube Test Facility (Einzelspaltrohr-Versuchsanlage)
FAPIG	First Atomic Power Industry Group
FZJ	Forschungszentrum Jülich GmbH
FZK	Forschungszentrum Karlsruhe GmbH
GRS	Gesellschaft für Anlagen- und Reaktorsicherheit mbH
HDR	Superheated Steam Reactor (Heißdampfreaktor)
HHT	High-Temperature Reactor with Helium Turbine of Large Power (Hochtemperaturreaktor mit Heliumturbine großer Leistung)
HTGR	High-Temperature Gas-Cooled Reactor
HTTR	High-Temperature Engineering Test Reactor
IAEA	International Atomic Energy Agency
ICE	Internal Combustion Engine
ICT	Institut für Chemische Technologie der Fraunhofer Gesellschaft
IEA	International Energy Agency
IGCC	Integrated Gasification Combined Cycle

IGFC	Integrated Gasification Fuel Cell
IHX	Intermediate Heat Exchanger
IMFC	Indirect Methanol Fuel Cell
INET	Institute for Nuclear Energy Technology, Beijing
IS	Iodine - Sulfur (Thermochemical Cycle)
JAERI	Japan Atomic Energy Research Institute
JCT	Japan - China - Taiwan
KVK	Component Experimental Loop (Komponenten-Versuchskreislauf)
LH ₂	Liquid Hydrogen
LMFBR	Liquid Metal Fast Breeder Reactor
LNG	Liquid Natural Gas
LOX	Liquid Oxygen
LPG	Liquid Petroleum Gas
LWR	Light Water Reactor
MCFC	Molten Carbonate Fuel Cell
MCH	Methylcyclohexane
MHR	Modular Helium Reactor
MHTGR	Modular High-Temperature Gas-Cooled Reactor
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency of Japan
NBP	Normal Boiling Point
NFE	Nuclear Long-Distance Energy (Nukleare Fernenergie)
NHIES	Novel Horizontally Integrated Energy System
NOX	Nitrogen Oxides
NRC	US Nuclear Regulatory Commission
NTS	Nevada Test Site
OECD	Organization for Economic Cooperation and Development
PAFC	Phosphoric Acid Fuel Cell
PEFC	Polymer Electrolyte Fuel Cell
PEM-FC	Proton Exchange Membrane Fuel Cell
PHWR	Pressurized Heavy Water Reactor
PNP	Prototype Plant Nuclear Process Heat (Prototypanlage Nukleare Prozeßwärme)
PRA	Probabilistic Risk Assessment
PSA	Probabilistic Safety Assessment
PV	Photovoltaics

PWC	Pressurized Water Cooler
PWR	Pressurized Water Reactor
RE H ₂	Hydrogen from Renewable Energies
RT	Room Temperature
RUT	Rocket Shock Tube
RWTH	Rheinisch-Westfälische Technische Hochschule, Aachen
SLH ₂	Slush Liquid Hydrogen
SNG	Synthetic Natural Gas
SOFC	Solid Oxide Fuel Cell
SPEWE	Solid Polymer Electrolyte Water Electrolysis
SPFC	Solid Polymer Fuel Cell
STP	Standard Temperature and Pressure
SULEV	Super Ultra-Low Emission Vehicle
SWATH	Small Waterplane Area Twin Hull
TMI	Three Mile Island
TNO	Netherlands Organization for Applied Scientific Research
TNT	Trinitrotoluene
TOE	Tons of Oil Equivalent
ULEV	Ultra-Low Emission Vehicle
WE-NET	International Clean Energy Network Using Hydrogen Conversion (World Energy Network)
ZEV	Zero Emission Vehicle

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