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Full Report Special Nuclear Power – A Controllable Risk?

Nuclear fission was one of the most dramatic discoveries of the 20th century. The energy released by the reaction was initially seen as something with enormous scientific and practical potential for humankind – but the risks soon became apparent. The US, Russia and China built up huge nuclear arsenals that could destroy the world several times over. More and more nations developed their own atomic bombs. The nuclear accident at Chernobyl and Fukushima made very clear that even the civilian use of nuclear power can unleash dangers almost beyond its control. **Full Report Special** shines a spotlight on aspects of nuclear fission: from the spread of nuclear weapons to Chernobyl and the ticking time bomb that is radioactive waste.

01 Cold Warriors Disarm – The Campaign Against New Nuclear Weapons [SD](#)

Despite taking steps towards disarmament, the superpowers still hold enormous nuclear arsenals – and new nuclear weapons are still in the planning. In the US, 1,800 physicists including seven Nobel prize winners, as well as a number of high-ranking politicians, have registered their opposition to these plans. They are calling for drastic disarmament at a time when the threat of a nuclear strike is still very real.

02 Chernobyl – Life in the Dead Zone [SD](#)

The reactor that caused the biggest nuclear accident of the 20th century is located at Chernobyl in northern Ukraine. The region surrounding the decommissioned power plant is a restricted area still showing evidence of massive contamination. Members of a German charity delivering ultrasound equipment to a children's hospital outside the no-go zone take the opportunity to visit the area affected by radiation.

03 The Nuclear Fallacy – Demystifying a High-Risk Technology [SD](#)

Nuclear power plants are safe, the energy they produce is cheap, and the disposal of radioactive waste is unproblematic – claims such as these by the nuclear industry have remained unchallenged almost everywhere for decades. But now, the nuclear energy debate is becoming more robustly critical in many countries. Just how safe are nuclear power plants in everyday operation and in an era overshadowed by the threat of terrorism? What measures will be undertaken in case of an accident? What happens to all the nuclear waste? The answers to these questions are alarming.

05 Los Alamos – The Legacy of the Bomb [SD](#)

The US research facility at Los Alamos, where the world's first atomic bomb was developed, is to this day a top-secret military site. The focus of scientists' work here is still nuclear weapons and their maintenance. This documentary film delves into the secrets of a place still covered with a veil of silence.

06 Toxic Challenge – Scrapping a Nuclear Power Plant [SD](#)

This documentary is about the dismantling of a nuclear power plant at Lubmin in Germany, which was decommissioned in 1990. The process involved the disposal of 1.8 million tonnes of highly radioactive scrap metal. The German experts who managed the project are world leaders in this specialized field.