

# Analyzing Nuclear Power in Belgium

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## Abstracts

Electricity consumption in Belgium has grown only slowly since 1990. Per capita consumption is 8186 kWh/yr. Nuclear energy provides 55% of the country's domestically-generated electricity - about 45 billion kWh per year. In 1962 the country's first small nuclear power reactor was commissioned at Mol - the 11 MWe prototype BR-3 PWR, which was imported from the US. This was the first pressurized water reactor built in Europe.

Belgium is a party to the Nuclear Non-Proliferation Treaty (NPT) since 1975 as a non-nuclear weapons state. It is member of the Nuclear Suppliers' Group. The Additional Protocol in relation to its safeguards agreements with the IAEA was signed in 1998 and came into force in 2004.

The report – Analyzing Nuclear Power in Belgium – by Aruvian's R'search, explores the importance of nuclear power in today's world, with Section One being dedicated to Understanding the Basics of Nuclear Power. The report looks at the basics of the nuclear industry that is, how a plant works, analyzing and understanding the fuel cycle, the various components which are involved in the working of a nuclear power plant, and much more. Economics, issues and barriers, and other such factors are also explored in-depth in this report.

Aruvian's offering includes a complete analysis of the Belgian Nuclear Power Industry, including an analysis of the nuclear power stations in Belgium, the major Belgian players in nuclear power, and much more. Industry profile, industry developments, technological developments, non-proliferation issues, Uranium fuel cycle developments, and lots more information is included in this research report. This research offering from Aruvian is a comprehensive A to Z guide on the nuclear power industry in Belgium.

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