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Topic: Technology Infrastructure for Prevention of Detection and Responses Regarding Nuclear Safety



Since the construction of the first nuclear reactor in 1942 and the development of the first nuclear warhead in 1945, nuclear technology has been used globally in areas such as military, energy production and healthcare. Although it is of high importance in these areas, the misuse of such power has been catastrophic and has posed a threat to the lives of many.

Efforts to implement nuclear power in Indonesia have been going on since 1954 with the start of its nuclear program and the acceleration of nuclear research. Indonesia is a signatory of the Non-Proliferation Treaty (NPT) and has ratified the Comprehensive Nuclear-Test Ban Treaty (CNBT). Although Indonesia has co-operated with international organizations and is planning to launch the construction of its first power plant by the year 2025, public concerns have been raised regarding the situation in Fukushima in 2011.

The Treaty on the Non-Proliferation of Nuclear Weapons (NPT) is a treaty regarding the spread of nuclear technologies with the goal of nuclear disarmament. 190 countries have signed this treaty. The Comprehensive Nuclear-Test Ban Treaty (CTBT) bans any nuclear explosion tests. The Prohibition of Nuclear Weapons (TPNW), which Indonesia is a strong supporter of, aims to ban all nuclear weapons as the parties believe they are one of the leading threats to human development.

Indonesia thinks that catastrophes like The Chernobyl Incident has occurred because of security concerns and lack of management. Indonesia believes that these mishaps could be prevented by the means of functioning management and the implementation of regular security drills. Indonesia supports the idea of building more power plants could help develop underdeveloped states and be a greener energy source countries can rely on. Indonesia also stands by Nuclear Weapon Free Zones (NWFZ) as it believes these zones could reduce global nuclear conflict and the risk of a nuclear war.

