

Nuclear Energy Division in National Centre for Nuclear Research

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The National Centre for Nuclear Research conducts activities in large number of areas. One of important areas is research about applications of nuclear power and safety of nuclear power. These activities have been centered around the Nuclear Energy Division within the Centre.

The Division currently employs around 60 people and has ongoing research activities on:

- Safety of light water reactors (LWRs), with focus on thermal hydraulics.
- Design and safety of High Temperature Gas Reactors (HTGRs)
- Probabilistic Safety Analysis (PSA)
- Neutronic Analysis
- Fuel Cycle Analysis

The range of activities within the Division is therefore broad. The main goal of these activities, however, is to build a team of competent people capable of providing expert assistance to Nuclear Power Programme which is ongoing in Poland. This goal is realized through intensive training of personnel, which is aided by extensive collaboration with foreign and international institutions.

The another important set of activities is built around HTGRs and understanding their Physics. This is done because HTGRs are seen as the most prospective of Generation IV technologies if possibility of application in Poland is taken into account.