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Reactor Institute Delft 2.0

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The Reactor Institute Delft (RID) is the only research facility in the Netherlands that uses neutron- and positron beam line instruments for academic research. The 2.3 MW research reactor not only facilitates beam-line instruments that offer the unique opportunities of this special radiation but operates irradiation facilities where isotopes can be produced for health research or element analyses as well. The field of application is very broad and varies from Energy to Health and even cultural heritage.

New instruments and the implementation of a cold source (end 2023) and user program will broaden the scientific footprint of the reactor.

Instruments available are: Neutron Imaging (thermal and in future cold), Neutron Powder Diffraction, Small Angle Neutron Scattering, Neutron reflectometry, Neutron Depth profiling, Posh-Pals, Posh-2D ACAR, Irradiation facilities, Instrument Neutron Activation Analysis

We would like to present an overview of the latest developments and discuss the strengths and weaknesses of a, relatively small, university facility.

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