



# IAEA

International Atomic Energy Agency

*Atoms for Peace*

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## ***Improving the quality of medical physics and radiotherapy in Lithuania***

### ***The challenge...***

The Lithuanian Oncology Centre required assistance to increase the capacity and reliability of radiotherapy services for cancer patients in Lithuania, in order to bring the quality and effectiveness of the service up to Centre of Competence standards.

### ***The project...***

The Lithuanian Oncology Centre was facing many challenges that jeopardized the effective use of its radiotherapy service. The centre's quality control, dosimetry and maintenance problems reduced the availability of the centre's only linear accelerator to treat cancer patients. Through this project, Lithuania acquired and commissioned a second dual energy linear accelerator to increase the capacity and reliability of its radiotherapy service.



### ***The impact...***

The project has increased the accessibility of radiotherapy services in Lithuania, as result of the acquisition of a medical electron linear accelerator. Radiotherapy treatment techniques have also been improved with planning software, immobilization equipment and the implementation of new radiotherapy methods. In addition, 16 hospital staff, including radiation oncologists, medical physicists and technologists, have received extensive training.

As a result of this project, cancer patients in Lithuania will receive radiotherapy treatment safely and economically and according to internationally recognized standards.

