

# Press Release

## Best Theratronics has been awarded a contract to construct a 70 MeV Cyclotron at its Kanata plant for the INFN National Laboratory of Legnaro, Italy — a historic event in Canada

**Kanata, Ontario, Canada, October 19, 2010.** Best Theratronics Ltd. announced today the award of a contract to build a 70 MeV cyclotron for the Italian National Institute of Nuclear Physics to be installed at the National Laboratory of Legnaro, INFN LNL. The contract is significantly important in promoting the new series of radioisotope production cyclotrons to be manufactured at the Kanata plant. Three different energy cyclotrons – 14, 35 and 70 MeV – are in various stages of design and manufacture. This new product line marks the entry of Best Theratronics into the supply of support equipment for molecular imaging, diagnostics, radiation therapy, isotopes, and research.

The cyclotron development program at Best Theratronics covers the entire spectrum of radioisotope production for nuclear medicine applications and develops new technologies for the direct production of <sup>99m</sup>Tc in response to the worldwide shortage of nuclear reactor-produced isotopes.

The different cyclotron models – B14p, B35p, and B70p – will be used to produce short-lived isotopes, and each cyclotron model will focus on isotopes used mainly in Positron Emission Tomography (PET), Single Photon Emission Computed Tomography (SPECT) and Therapy by virtue of their respective energies (14, 35, and 70 MeV). The 70 MeV cyclotron can also be used as a research accelerator and injector cyclotron for the production of neutron-rich exotic beams for high-energy nuclear physics research.

**Building cyclotrons in Ottawa is very historic for Ottawa, Ontario, and Canada. Manufacturing and building a 70 MeV cyclotron is the first such event in Canada. This, too, is a historic event for all of Canada, and all Canadians can be proud of this outstanding accomplishment by Team Best Theratronics.**

**About Best Theratronics:** Best Theratronics Ltd. has been manufacturing, marketing, selling and servicing cobalt-based cancer therapy systems and blood irradiators for more than 50 years, when it began as a division of Atomic Energy of Canada Limited. The company is located in Kanata, west of Ottawa, Ontario, and its 150 employees cover expertise in manufacturing, engineering, design, radiation physics, dosimetry, worldwide logistics, sales, marketing and service. All these skills are required for cyclotron manufacturing. It is a perfect match. See [www.theratronics.ca](http://www.theratronics.ca).

**About INFN LNL:** The INFN National Laboratory of Legnaro is one of the four largest national laboratories for nuclear research in Italy with worldwide recognition in nuclear research and particle accelerator science and engineering. The Legnaro laboratory is a leader in designing superconducting cavities for linear accelerators and expert in cyclotron science and engineering design, in cooperation with the National Laboratories of the South and the University of Milan. The INFN LN of Legnaro has been approved for a significant research and development program, the SPES Exotic Beam for Science, as part of which the laboratory is acquiring the injector accelerator, the 70MeV cyclotron, from Best Theratronics Ltd.

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**For more information, please visit the following websites:**

[www.theratronics.ca](http://www.theratronics.ca)

[www.teambest.com](http://www.teambest.com)

[www.teambestnews.com](http://www.teambestnews.com)

[www.cure.lu](http://www.cure.lu)

[www.kitsault.com](http://www.kitsault.com)

[www.bestproton.com](http://www.bestproton.com)

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