

DEVELOPING NEW RESEARCH SERVICES AND INFRASTRUCTURES AT MAX IV SYNCHROTRON RADIATION SOURCE (MAX-TEENUS)

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MAX IV Laboratory is a world leading synchrotron radiation research center in Lund, Sweden. This new cutting-edge large-scale center allows to investigate materials in highest precision by using synchrotron radiation and applying various spectroscopic techniques at its 16 beamlines in operation. One of the beamlines that was constructed and funded by Estonian and Finnish consortium (7.5 MEuro) is FinEstBeAMS. FinEstBeAMS is an integral part of MAX IV Lab infrastructure, which ensures the access of Estonian researchers and entrepreneurs to the whole Lab. Through the core infrastructure project MAX-TEENUS, the Estonian consortium (Univ. Tartu, TalTech, NICPB) contributes to the operation of MAX IV Lab by 0.42 M€.

Access to the world-leading research centre forms a basis for Estonian R&D institutions and enterprises for the development of innovative products and achievement of significant research results. Thanks to the investments, EstMAX consortium has an agreed amount of beamtime yearly to share with Estonian stakeholders from academy and industry to have prioritized access to any of MAX IV 16 beamlines enabling best competitive conditions for their R&D.