



AREA 21



POLYTECH

Peter the Great
St. Petersburg Polytechnic
University

Polytechnic, St. Petersburg

Energy Improvement District (EID) at a glance



© SPbPU

Location:	St. Petersburg, City of St. Petersburg, RU
Area:	1.02 km ²
Inhabitants:	1,000 permanent residents, 35,000 temporary residents
Buildings:	112 buildings (20 educational buildings, 69 administrative, research and manufacture buildings, 4 social buildings, 15 dormitories, 4 residential buildings)
Ownership:	90% of the buildings owned by the state, used and managed by the University

Vision and goals

“Polytechnic is a high-quality green habitat”

- to increase the reliability of the energy system in the EID and to reduce heating and electricity costs.
- to raise awareness for conscious energy consumption and saving (engaging 30% of university students and staff - users who do not pay for consumed heat energy and electricity) through the use of energy saving measures.

Expected results

The project activities in the Polytechnic EID will result in both changed mind-sets of consumers and improved efficiency. The EID thereby contributes to the targets of the State Programme of St. Petersburg „Integrated development of public infrastructure systems, energy and energy saving in St. Petersburg for 2015-2020“, as well as to the Strategy of Social and Economic Development of Saint-Petersburg for the period up to 2035.

EID Potentials

The Polytechnic EID will be a demonstration of high energy efficiency zone, in which digitalisation and ICT tools are utilised with potentials including:

- Raising awareness: The introduction of ICT tools helps to increase awareness about energy saving among energy consumers, for example through energy consumption online data. Moreover, from a stakeholder perspective the involvement of student’s unions could be crucial. With their support, a set of motivation initiatives could help reach stu-

dents - a consumer group with a low interest in energy saving due to their missing financial leverage.

- Reliability: To increase reliability, prevent accidents and minimize the damage from technological failures, refurbishments and innovations related to transformers and other electrical installations should be realized.
- Reducing costs: Improved energy efficiency leads to reduced payments for consumed gas, heat and electricity.



EUROPEAN UNION
EUROPEAN
REGIONAL
DEVELOPMENT
FUND



WITH FINANCIAL
SUPPORT OF THE
RUSSIAN
FEDERATION