ELI Beamlines Laser Center



Location
Dolní Břežany

Investor
Institute of Physics of the Czech Academy of Sciences

Construction period
06/2013 – 10/2015

Type of construction
Education

Scope of services
Construction

“ A multifunctional center with the most powerful laser equipment in the world. ”

The ELI Laser Center complex will be used for the most advanced laser research of its kind. It is comprised of seven sections – an office building for 300 workers, a multifunctional building (with a cafe, lecture hall for 150 listeners, library, etc.), an entry atrium, a laboratory building, a laser building, a building for cooling technology, and industrial gas management.

The most complicated part of the construction from a technical perspective is the building for laser technology with experiment facilities, which take up an area larger than a football field. To meet safety requirements concerning the effects of vibration and shielding from electromagnetic and ionizing radiation, there are structural walls and ceilings inside and around the perimeter of the laser facility ...

In numbers

300	13 160	197 689
workers	**m^2 of floor area**	**m^3 of building volume**