

*Hello, I am Andrey Bulowa a second-year student with RBECS Faculty, V.N. Karazin National University.*

*I'd like to present two projects:*

*1. A one-piece self-contained non-reconfigurable 100kV generator. It is built along the Tesla coil principle. It was used by me to demonstrate high voltage and the electric arc phenomenon.*

*2. This is a low-power DC-to-DC converter. It converts a source of DC from one voltage to another and it is an impulse-type device.*

*It has quite high efficiency in a very compact package, which allows it to be used as power supply for electric devices.*