

Dear students,

A blackout is one of the global threats that can decrease the function of a society and cause chaos.

The lecture deals with possible solutions to widespread power failure at a global level. The aim of this presentation is to demonstrate the organizational and technical solutions to overcome the State of crisis in large and long lasting power outages with an emphasis on medical devices. Possible priorities, resources, and procedures for the provision of basic services to the population in serious and large-scale emergency situations associated with power outage will also be evaluated. The lecture also deals with the possibility of using technical solutions to speed up the restoration of electrical power supplies.

Supplementary literature for this lecture is primarily focused on the issue of blackouts in terms of energy. There is not much focus on healthcare facilities. There are studies relating to this topic in English, but they are not available to the public or are classified. Unfortunately, a lot of material exists only in Czech, a number of articles at local conferences and a series of diploma theses, for example.

<https://historycollection.co/10-greatest-blackouts-history/>

<https://cordis.europa.eu/article/id/126674-the-cost-of-blackouts-in-europe>

I will be happy to answer any questions. However, taking the current global situation into consideration, this would be done via email correspondence.

Best regards

Josef Tlustý

tlusty@fbmi.cvut.cz