

Name:

Julia Grabarkiewicz

Title of Project:

SOS backpack tent

Summary:

The main factor, making the functioning of a human being in the arctic area really difficult, is gnawingly low air temperature throughout the year. Prolonged exposure to the open space in this inhospitable land can be dangerous for human health and life, especially since the feeling of coldness is multiplied by strong winds causing blizzards and snowstorms.

This is a serious threat to the workers of polar stations who perform a substantial part of scientific research in the field. Therefore, it becomes necessary to provide the staff of the stations with a special equipment to ensure the safety of their fieldwork.

This problem has inspired the authors of the project to create a model of a specialized "backpack tent" which is characterized by its lightness, possibility to be opened very quickly thanks to a foldable, flexible design and which can substantially reduce the heat loss.

The purpose of this equipment is to protect investigators from suddenly deteriorating weather conditions or in a case of injury to prevent bone movement and to keep inside the temperature comfortable enough to wait for help for some time
