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"Online monitoring of deployed SCSRs".

It takes rather long time for the mine rescuers to get and help miners. Expecting help, underground workers can help themselves only! For this purpose, they have developed and used the self-rescuers with a service-life up to 10 years.

It is not always clear what happening with the apparatus during this period. The existing methods of control do not allow you immediately get a complete picture of the self-rescuer's status.

In general, this is due to the conservatism in the mining industry and the unwillingness to introduce new developments to improve the devices used in mines.

Due to the rapid science development, it is possible to work on modernization of operational parameters of the self-rescuers: ergonomics, efficiency, and electronics. Nowadays, there are many possibilities to improve the devices and change the concept of checking deployed SCSRs.