

Monitoring overhead power lines in extreme weather conditions

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Discusses the use of automated Information Systems for monitoring of overhead power lines and special software in the winter to prevent icing accidents and summer to prevent overheating of wires. The information system developed in the South-Russian State University (Novochoerkassk), together with the design office in Nevinnomyssk. It includes sensors ice load, temperature and humidity, wind speed and direction, camera. Information passed to the dispatcher via GSM or satellite. On this basis, the dispatcher decides on melting ice.