

Brniště bridge monitoring

Customer
Regional administration of Liberec district

Implementation
2020/10

Roadway and bridge pier cracks appeared nearby Brniště locality (Česká Lípa). One side of the bridge leaned and concrete building dilated of 5 cm during one year.

Administrator had to close the bridge after nonscheduled inspection in autumn. But there is a railroad under the bridge which cannot be closed. So that trains must reduce their speed to 30 km/h. Bridge reconstruction is scheduled on 2021.

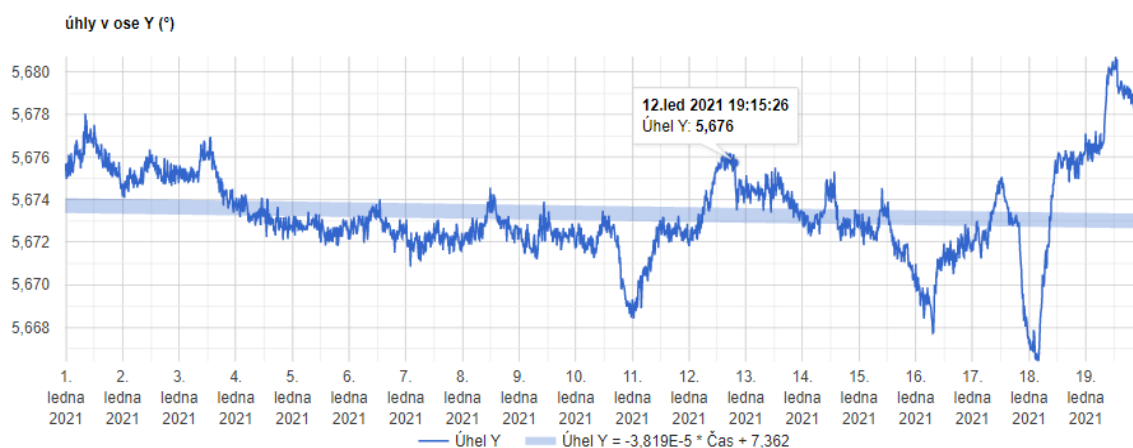
Our solution:

After bridge builder consultation we attached three inclination sensors at selected places on the bridge.

Advantages of this solution:

Continuous monitoring 24 hours a day, 7 days a week. Data is send each 15 minutes. In case of sudden change, data is send by mail or as SMS to authorized person.

Such person is allowed to enter to cloud platform and may watch the course of events during the time. It is allowed to change the limit values of warning and evaluate situation during temperature changes.



Data example:

We can see small inclination changes during January – only hundredths of degree. Sensor partially reacts to temperature changes.

Ask more information about this project and our cooperation - info@statotest.com

Your team STATOTEST

Motto: No other building collapse!