

Case Study

Monitoring Solution for Cracks

July 2014



Project: Crack Monitoring of a tunnel

Customer:
Municipal Utility

Initial situation:

In the area of an urban bridge above a stream run, various aging and traffic-load-induced cracks were discovered which had to be monitored to prevent progression of the static hazard of the building.



Solution:

For use came the crack monitoring system of BS2. Once installed, changes in the crack width are permanently monitored and stored. Upon reaching defined limit states, there will be a direct alarm. If requested, the transmission of the data is possible via wireless internet. The alerts can be received directly via SMS/E-Mail.

Our crack monitoring can be connected in a network and retrieve in combination with our other measurement systems without any problems. In addition, existing measurement systems were adapted to special conditions (EMV / Interior wall crack measurement, etc.). Basically, there is no question how large the crack width is. Almost all crack widths can be monitored.



Additional value:

- ✓ By data transmission no inspection required on site
- ✓ Risks always in view
- ✓ Extremely durable and can also be used under the most adverse conditions
- ✓ Adaptable for all applications
- ✓ Connection to existing control centers possible