

Use case

INSTRUMENTATION OF A CHAPEL

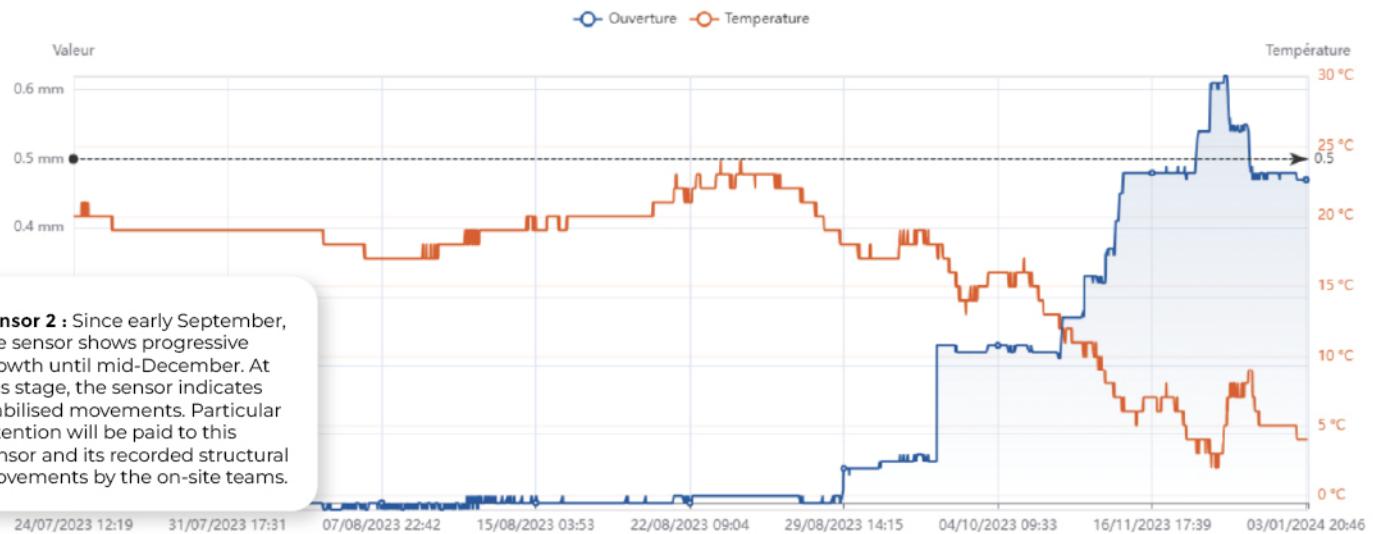
Monitoring of the walls of an ancient monument

As part of a chapel restoration project with numerous structural disorders, requested by local authorities, an expert was called in to install a monitoring system to observe the behaviour of the chapel's walls.



As part of monitoring the evolution of disorders observed in a chapel located in a municipality near Montpellier, an expert was appointed to instrument the monitoring of wall evolution during the works phase over a period of 18 months.

Four DELTA L crackmeters equipped with an extensometer pack were installed. The objective is to analyse the movement/displacement of the walls throughout the works intervention. The sensors are connected remotely and a report on the evolution of the walls will be produced every three months.



Thanks to Feelbat's tools, the company in charge of repairs can work safely and guarantee the preservation of an irreplaceable monument for the city. **Real-time monitoring provides crucial data for informed decision-making in case of deterioration.**

By monitoring deformations, the expert can inform staff and understand how the structure reacts to different stresses. Precise convergence measurement allows the detection of potential

problems before they result in more severe and costly damage. In the long term, the data provided also guarantees visitor safety by verifying that repairs have not caused damage to the building structure.

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