

CASE STUDY C1018: DATA CENTRE SHOCK & VIBRATION SURVEILLANCE

Customer	Dexia Bank Belgium (DBB)
Location	Vilvoorde, Belgium
Duration	February 2008 – June 2009
Application domain	Construction works, IT infrastructure

High availability is of utmost importance for a data centre, with huge penalties applying to outages. Construction work such as drilling, piling in the vicinity of data centres and fibreglass cabling needs to be executed with great care. Based on the norms for electronic equipment, safe shock and vibration levels were determined and a continuous surveillance was setup during the construction works.

A specific requirement in this project was to have a real-time evaluation of the applicable norms with regard to shock and vibration on electronic equipment in order to stop construction activities immediately in case of transgressions. This requirement could only be met with the computation power of the APT monitoring system.

