

**Nsmos® A Structural Health Monitoring System Developed And Operated By  
Structural Engineers**

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A damage estimation system to evaluate the level of vibration and the damage state of a building after an earthquake has been developed by structural engineers. This system is already in operation in several buildings in Japan. The damage state of a building is evaluated through the damage to the following five items: the main structure, the cladding, the MEP, the ceiling and the furniture. The concept of the developed system, its performance which were assessed through full-scale testing, even in the case of long period vibrations, and the actual results to that day are presented in this paper.