



ASCLEPIUS

STRUCTURAL HEALTH MONITORING

KEY FEATURES

Developed for structural health monitoring.

The Asclepius suite was developed with the aim of being combined with a structural monitoring system made up of a representative number of high-performance sensors. Asclepius is the result of more than 30 years of engineering experience in the sector and it was thought up with the aim of observing changes in the monitored structure and to give us not only the engineering parameters, but also a green or red light, an intuitive picture of the health of the structure. Far too often we have excess information that we can't decode or which we don't have time to manage; in most cases we just want to get a simple answer: yes or no. Asclepius can make the analysis intelligible even to people who do not work in the sector. The software can be used to automatically analyse, also in real-time, both strong motion and environmental vibrations data, by employing instruments with the suitable sensitivity. For this reason, the best performance are achieved in combination with Atlas or Triton systems.

PEAK GROUND VELOCITY (PGV)

PEAK GROUND ACCELERATION (PGA)

PEAK GROUND DISPLACEMENT (PGD)

ARIAS INTENSITY (AI)

SIGNIFICANT DURATION (SI)

CALCULATION OF REAL TIME DISPLACEMENTS AND RELATED INTER-STORY DRIFTS (IDR)

WARNINGS ABOUT POTENTIAL DAMAGE TO THE STRUCTURE.