



Earthquake Risk Management Solutions

NEXT GENERATION OF STRUCTURAL HEALTH MONITORING AND SMART CITIES



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SHM has gained importance for safety requirements of infrastructure. Although structures are designed and built to operate safely under anticipated static and dynamic loading conditions, deterioration and damage can occur over their lifetime. Extreme events such as earthquakes are the most prevailing source of failure. If damage conditions are not identified rapidly, they may leave the structure vulnerable to further damage. Early diagnosis of damage is also cost-effective, as the cost of fixing minor damage is generally lower than that of major damage.

Our structural health monitoring (SHM) system powered by artificial intelligence utilizes the sensors data to create unique earthquake risk management solutions.



We provide meaningful and easy-to-understand information immediately after an earthquake. This timely and critical information helps stakeholders such as government authorities, emergency responders, disaster managers as well as building and business owners to plan their role in making the people and their structure safer.

Our mission is to ensure peace of mind for people of megacities like San Francisco after an earthquake.



Earthquake Risk Management Solutions

DR. EROL KALKAN, P.E.

CEO & FOUNDER AT QUAKELOGIC

Dr. Kalkan earned his B.Sc. degree in Civil Engineering and first M.Sc. degree in Engineering Seismology. His second M.Sc. degree in Structural Engineering.



His doctorate degree is in Structural and Geotechnical Engineering from the UC Davis. His postdoctoral studies were conducted at the UC Berkeley.

Dr. Kalkan was the recipient of the “2008 ASCE Raymond C. Reese Research Prize in Structural Engineering”. He has been also granted “2008 EERI-FEMA NEHRP Professional Fellowship in Earthquake Hazard Reduction”.

He authored and co-authored more than 120 publications in earthquake engineering.

Dr. Kalkan served as a guest editor of five special journal issues, and he is currently acting as an associate editor for Journal of Structural Engineering, Engineering Structures and Seismological Research Letters.



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