



Disaster Risk Management Solutions

CAPABILITY STATEMENT

QuakeLogic provides AI-powered cloud-based risk management solutions for the government and state agencies and businesses to protect them from liabilities and economic losses seen during and after natural and man-made disasters. QuakeLogic also conduct analytical methods, and experimental and theoretical research in the seismic, structural and geotechnical engineering fields.

FEDERAL GOVERNMENT	CALIFORNIA
DUNS: 117204621 CAGE code: 8EQM1	California State Small Business Certification: 2016403
NAICS codes: 541715, 541330, 541690, 541990, 541519, 541360	UNSPSC codes: 20122600, 20122601, 20122602, 20122622, 20122623, 26142117, 41114106, 43232605, 46171631, 71151105, 81101505, 81101514, 81111810, 81150000, 81151900
SAM registered and have SBA profile	

CORE COMPETENCIES

- Disaster risk management and structural health monitoring
- Earthquake early warning
- Seismic monitoring
- Hydrological and environmental monitoring
- Machine vibration monitoring and analysis
- Artificial intelligence and machine learning
- Small-to-large scale research studies and program evaluations
- Instrumentation and instrument maintenance
- Warning systems, installation, repair and service

PRODUCTS

- Cloud-based monitoring software
- Earthquake early warning software
- Mass notification hardware and software
- Seismic, environmental and hydrological sensors, and digitizers

CREDENTIALS AND LICENSES

- California professional engineer license (CEO, Erol Kalkan)
- California small business certification

DIFFERENTIATORS

- Sixteen years' experience in
- Instrumentation of buildings, bridges, dams, and tunnels
 - Seismic network operations
 - Structural health monitoring, earthquake early warning, AI, machine learning
 - Signal processing and big-data management
 - Seismic risk and hazard computation
 - Structural dynamics and earthquake engineering research



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PAST PERFORMANCE

- More than 40 instrumentation projects for buildings, bridges, dams and tunnels
- The largest instrumentation and Structural health monitoring project in the US, including 28 hospitals
- Instrumentation of the tallest residential tower in San Francisco
- Instrumentation and Structural health monitoring of the UNLV's Science and Engineering building
- Cloud-based structural health monitoring of Rosendo Salazar Dam, Mexico

CURRENT CONTRACTS

- Nevada Department of Transportation — instrumentation and monitoring of Galena Creek Bridge, the world's largest concrete arch bridge
- ETH Zurich / Swiss Railway Bridge — structural health monitoring
- Riberadio Dam, Portugal — structural health monitoring



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