

## SEFT CONSULTING GROUP

*Resilient ideas and solutions protect you from earthquake and tsunami hazards*

SEFT Consulting Group is a structural, earthquake and tsunami engineering consulting firm located in Portland, Oregon. It offers expert solutions to mitigate earthquake and/or tsunami risk for critical buildings and lifeline infrastructure through research, resilience planning, seismic assessment and rehabilitation, and performance-based design. The firm's founding principal, Dr. Kent Yu, is nationally recognized for his expertise in earthquake engineering, tsunami risk mitigation and resilience planning. He has extensive experience in large scale structural testing and finite element analysis, along with incorporating these results into design and evaluation. He is also well known for his expertise on advanced performance-based analysis of structures, and his innovative solutions have saved hundreds of millions of dollars for owners on the West Coast.

Equipped with our knowledge from extensive post-earthquake/tsunami field investigation, insight from advanced analyses and large scale testing, and experience from past design and rehabilitation projects, SEFT collaborates with owners, architects, engineers, and contractors to explore and find creative solutions that balance needs, performance, and costs for their demanding projects. SEFT is a certified DBE, ESB, and MBE in Oregon with certification no: 8994.

The firm's services include:

- performance-based seismic evaluation and retrofit design of existing buildings and lifeline infrastructure
- structural design of new construction
- structural condition assessment
- tsunami-resistant design of buildings and structures
- peer review
- forensic investigation
- resilience planning for communities and large organizations,
- post-earthquake inspections
- large structural testing
- advanced structural analysis (finite element analyses, nonlinear static analysis, nonlinear response history analysis)
- means and methods
- seismic risk assessment, PMLs and transaction due diligence

