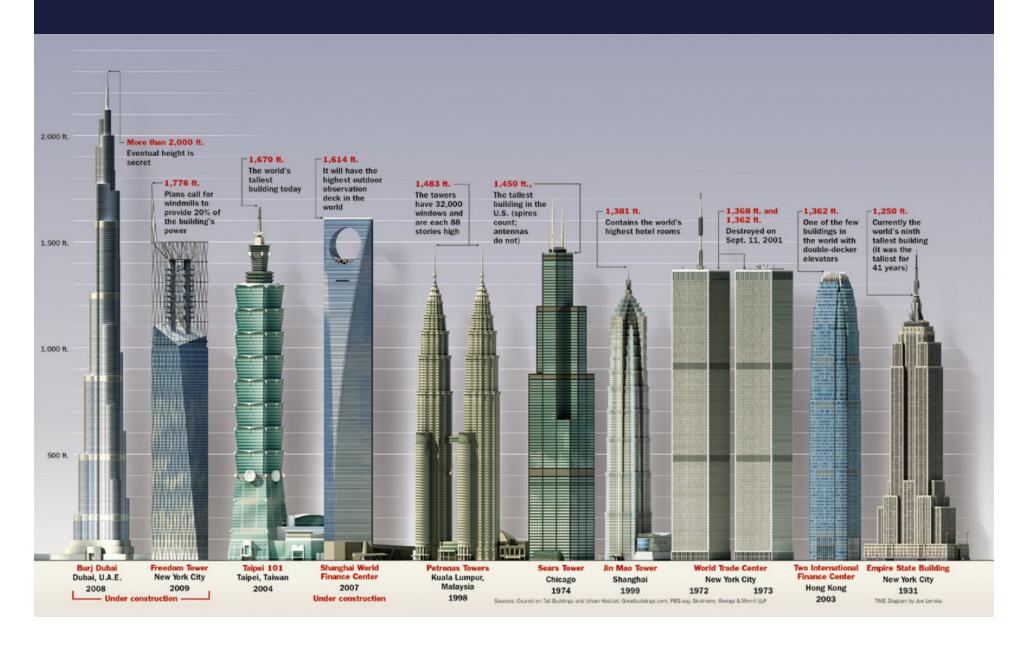


INNOVATIVE BUILDING DESIGN

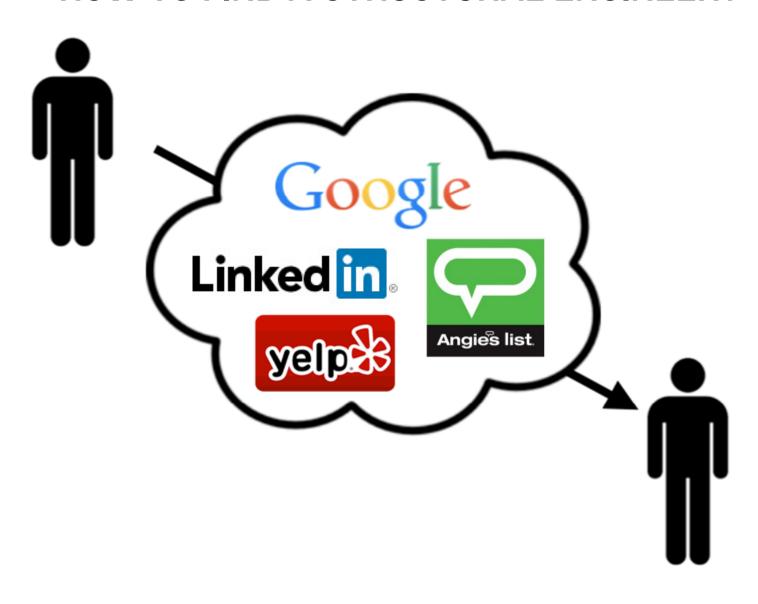








HOW TO FIND A STRUCTURAL ENGINEER?



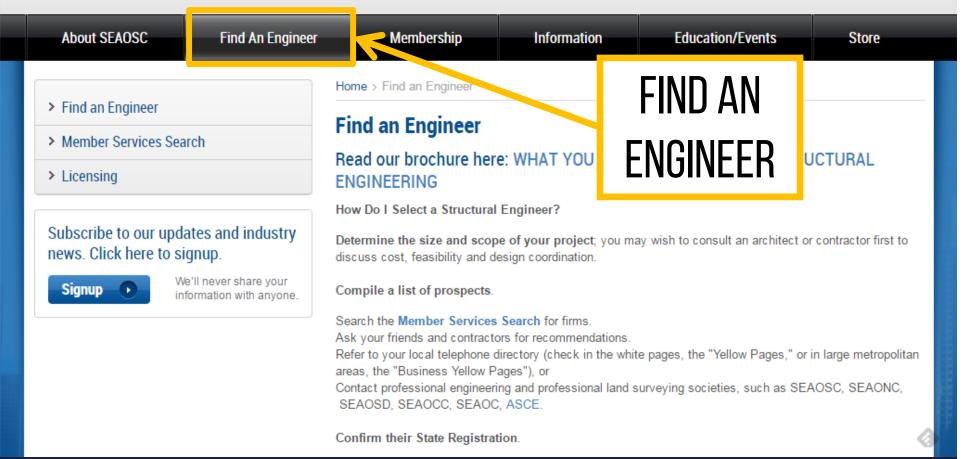


Structural Engineers Association

OF SOUTHERN CALIFORNIA

Member Login •

Search Q



HTTP://SEAOSC.ORG/FIND-AN-ENGINEER





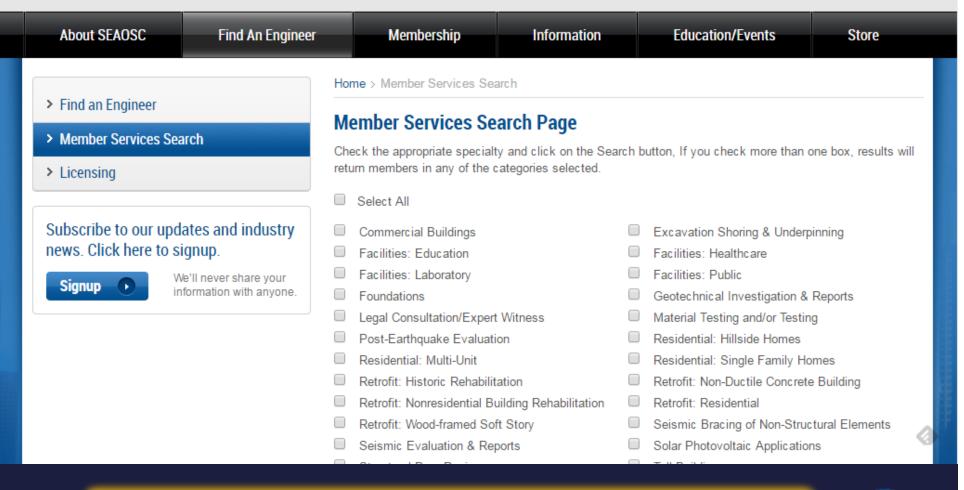
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HTTP://SEAOSC.ORG/REFERRAL-SEARCH



Who is the right fit for your building project?

- Ask for project references for similar jobs
- Verify expertise in project type and ability to complete projects on time and on budget
- Request a site visit, written proposal, anticipated schedule, and fee estimate
- Ask questions!





Why bother asking your structural engineer any questions?

- Your building is a valuable asset
- You want it to perform during an earthquake
- You want it to exist after an earthquake
- You want your occupants to be safe

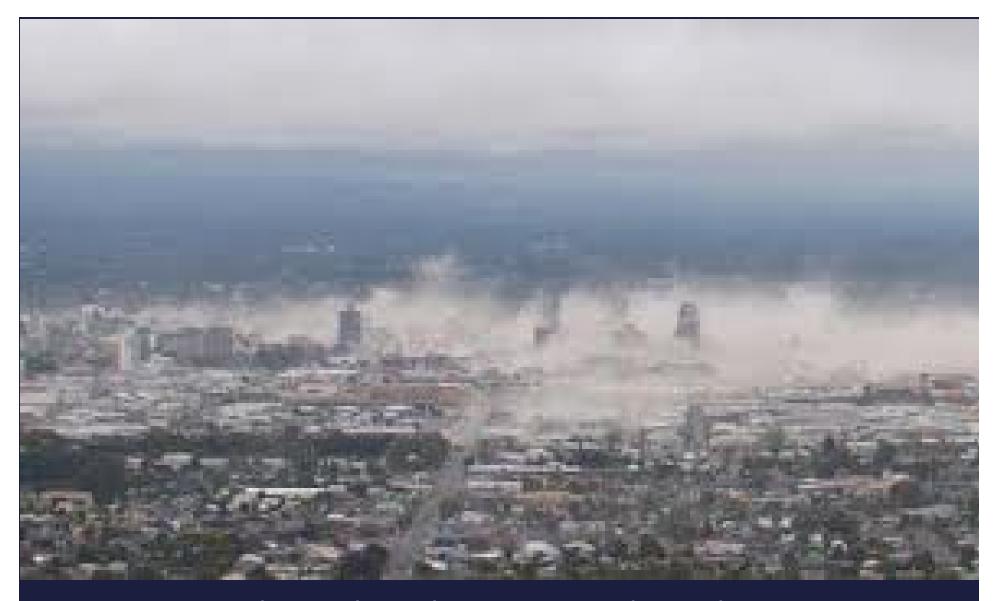
Structural Engineers are a valuable resource!



Questions Your Structural Engineer Can Help Answer

- 1. What are my site's soil conditions?
- 2. What is my site's level of seismicity?
- 3. Are there potential hazards from neighboring structures?
- 4. What performance level meets my needs?
- 5. What kind of nonstructural damage is my building vulnerable to?



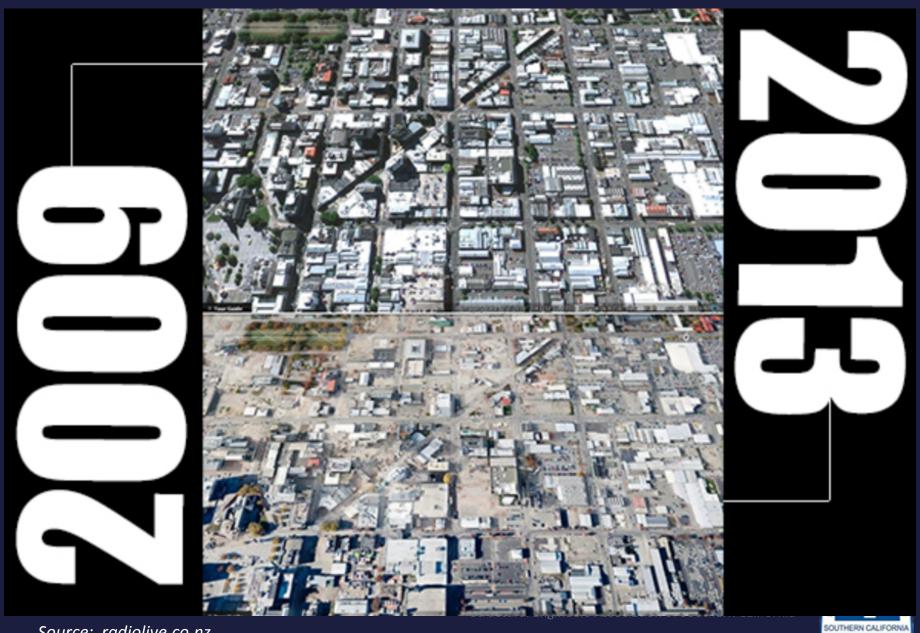


Christchurch 2011 Earthquake

\$35B and 50-100 years to fully recover



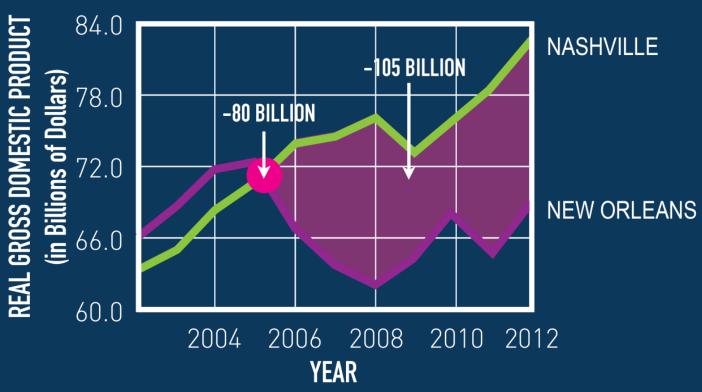
CHRISTCHURCH



Source: radiolive.co.nz

ECONOMIC REPERCUSSIONS

NEW ORLEANS VS NASHVILLE ECONOMIC GROWTH



Source: Dr. Lucy Jones, USGS





- M7.8 Earthquake
- 1800 Deaths
 - 700 from 1500 soft story & concrete building collapses
- \$213 billion of economic loss throughout SoCal
 - \$47.7 billion from shaking damage
 - \$65 billion from fire damage
 - \$96.2 billion from business interruption costs
 - -\$4.3 billion from traffic delaysation of Southern California



RESILIENCE BY DESIGN

- Protect the lives of our residents
- Improve the capacity of the City to respond to earthquakes
- Prepare the City to recover quickly from earthquakes
- Protect the economy of the City and all of Southern California

