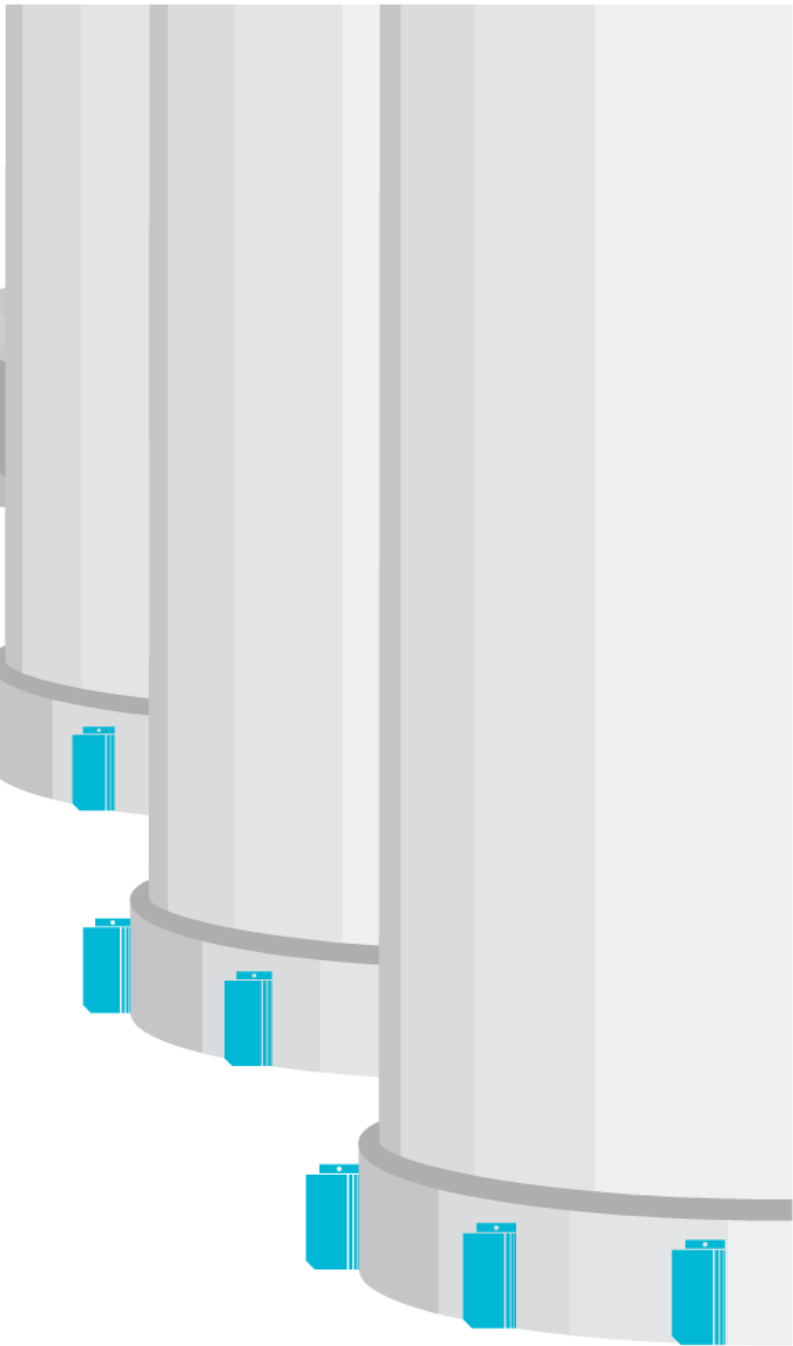




LAB TESTED. EARTHQUAKE PROVEN.



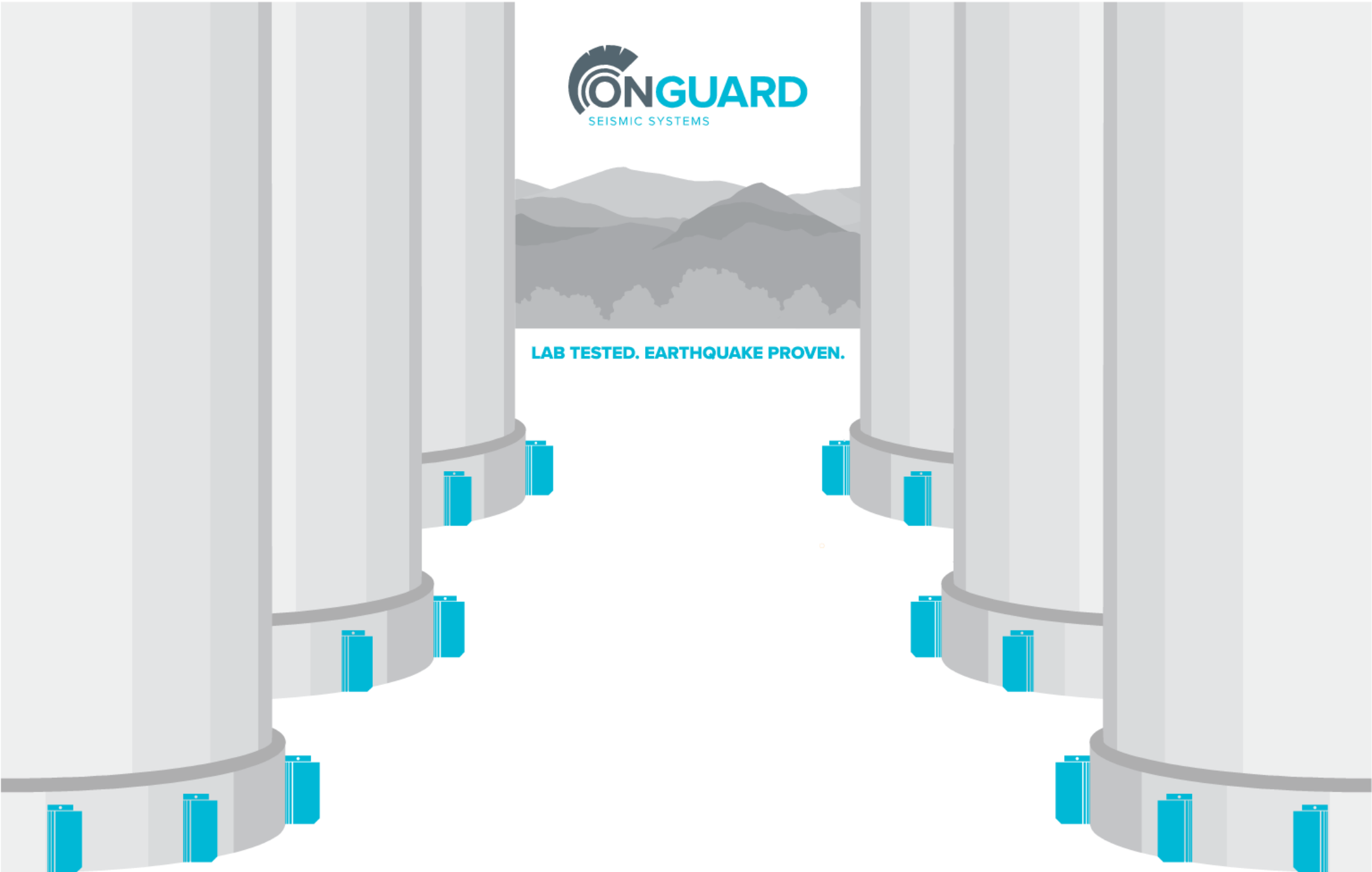


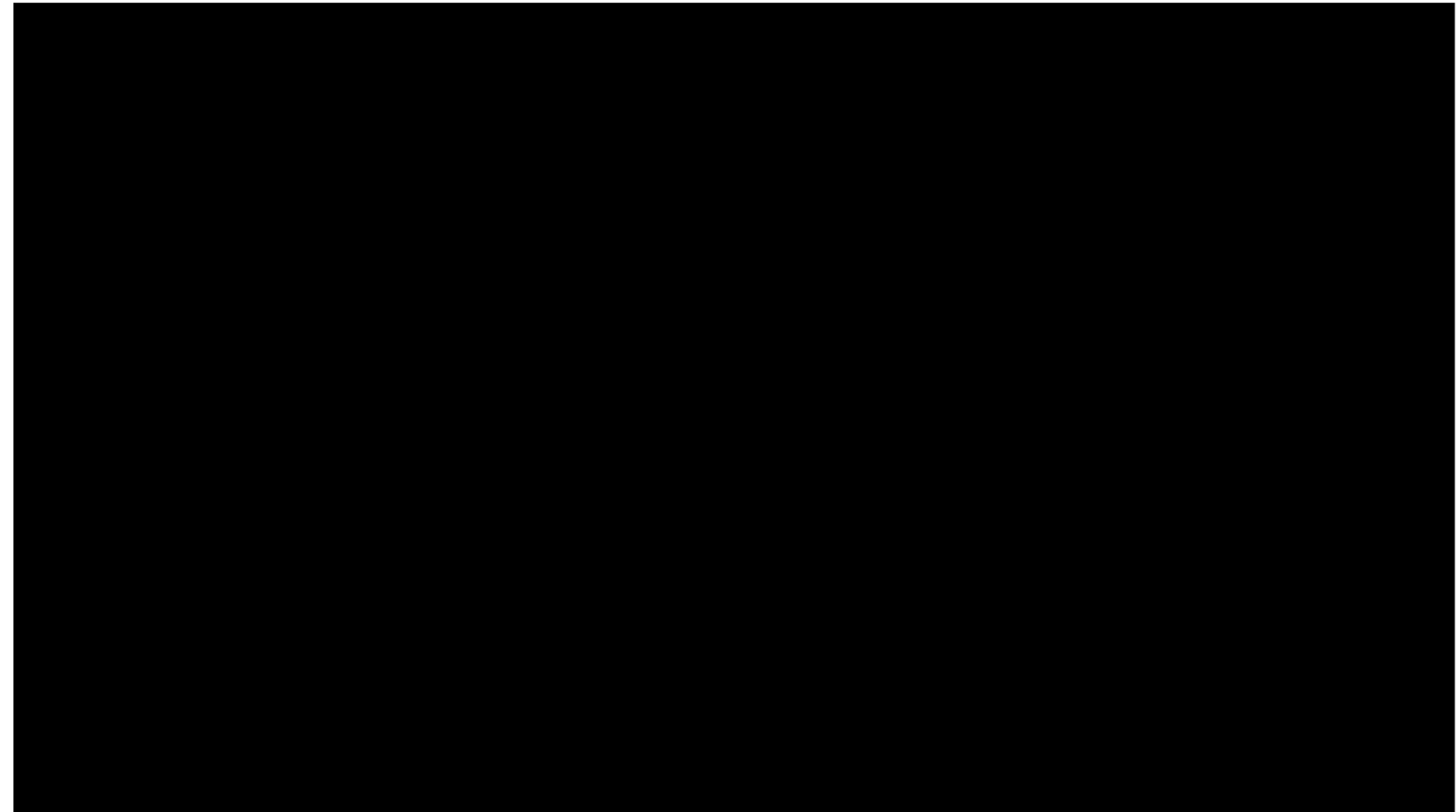
LAB TESTED. EARTHQUAKE PROVEN.





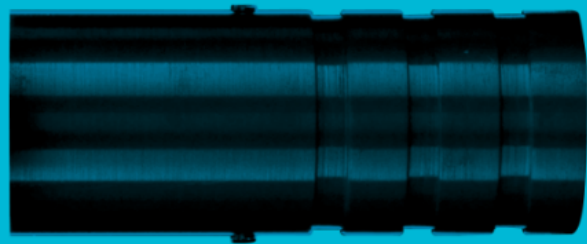
LAB TESTED. EARTHQUAKE PROVEN.





ONGUARD PROTECTS

PEOPLE
PLANT **PROFIT**
PRODUCT **MARKET**
BUSINESS



ONGUARD IS

- **INSURABLE**
- **RESILIENT**
- **CYCLIC**
- **REPLACEABLE**
- **PERFORMANCE-BASED**
- **RETROFITTABLE**

**WORLD-FIRST, WORLD-CLASS
AND WORLD-LEADING**

EARTHQUAKE DAMAGE



EARTHQUAKE DAMAGE



EARTHQUAKE DAMAGE





LAB TESTED. EARTHQUAKE PROVEN.



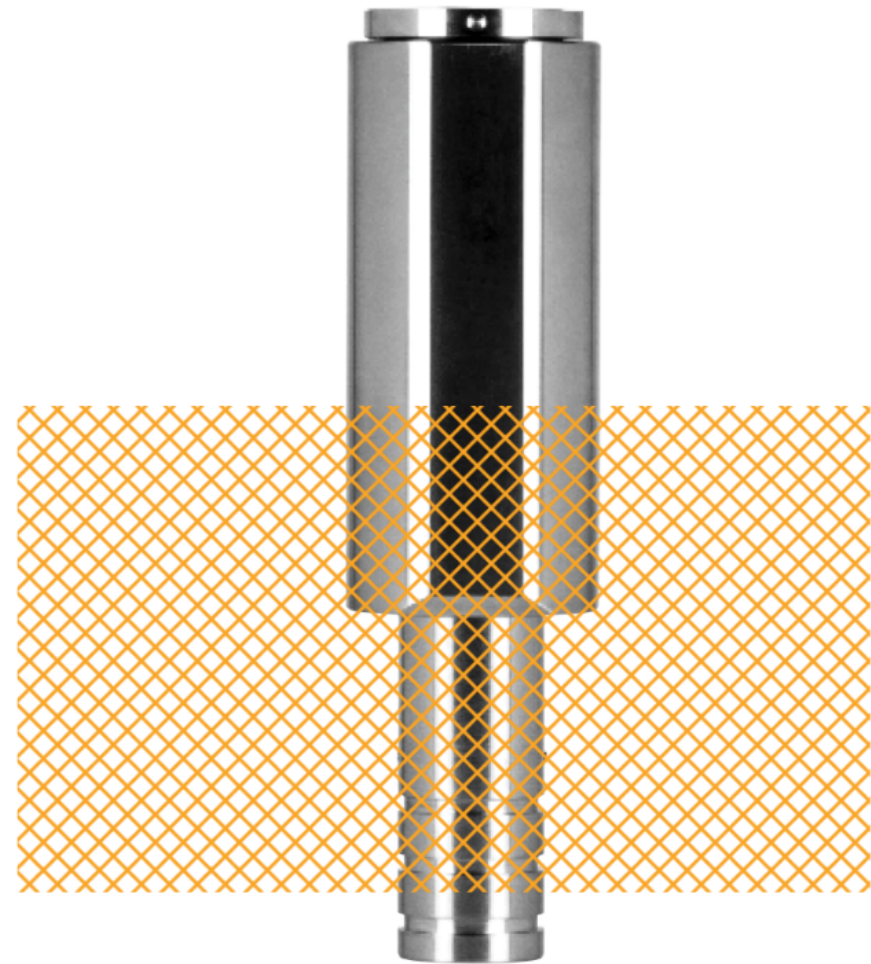
TRADITIONAL...THE PAST

- Tank design guidelines are derived from building codes. They are based on life safety, not property protection!
- Codes encourage property damage as a method of energy dissipation!

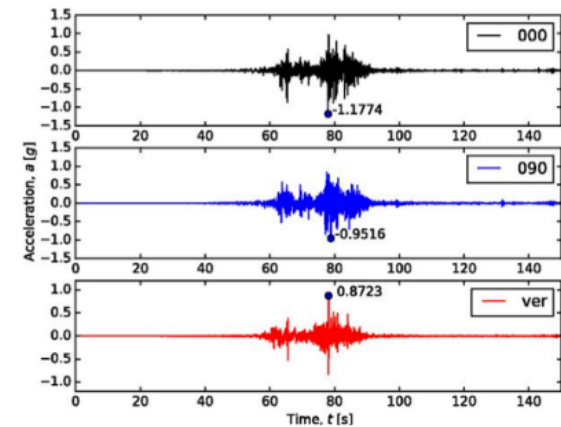
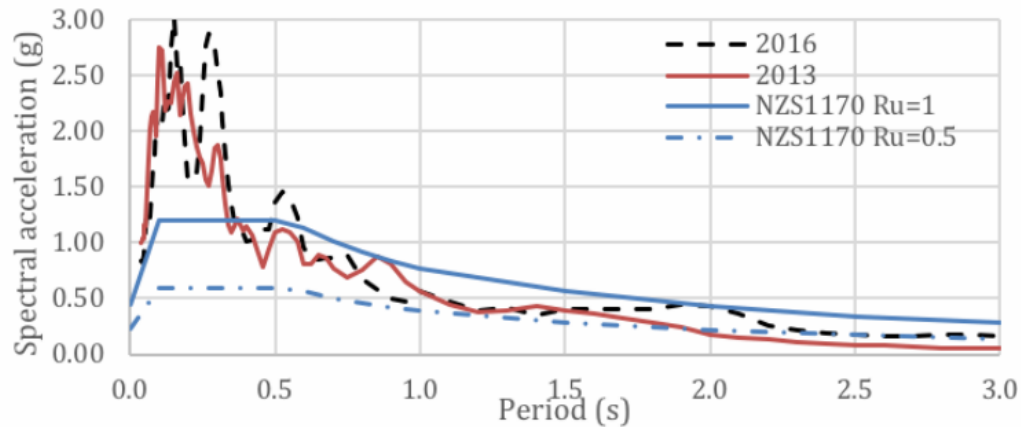


PERFORMANCE BASED DESIGN

- Preserves business continuity and business brand through the elimination of spills
- Protects the environment from spillage and the protection of property and safety of life
- Provides reliable ductility and resilience through cyclic response

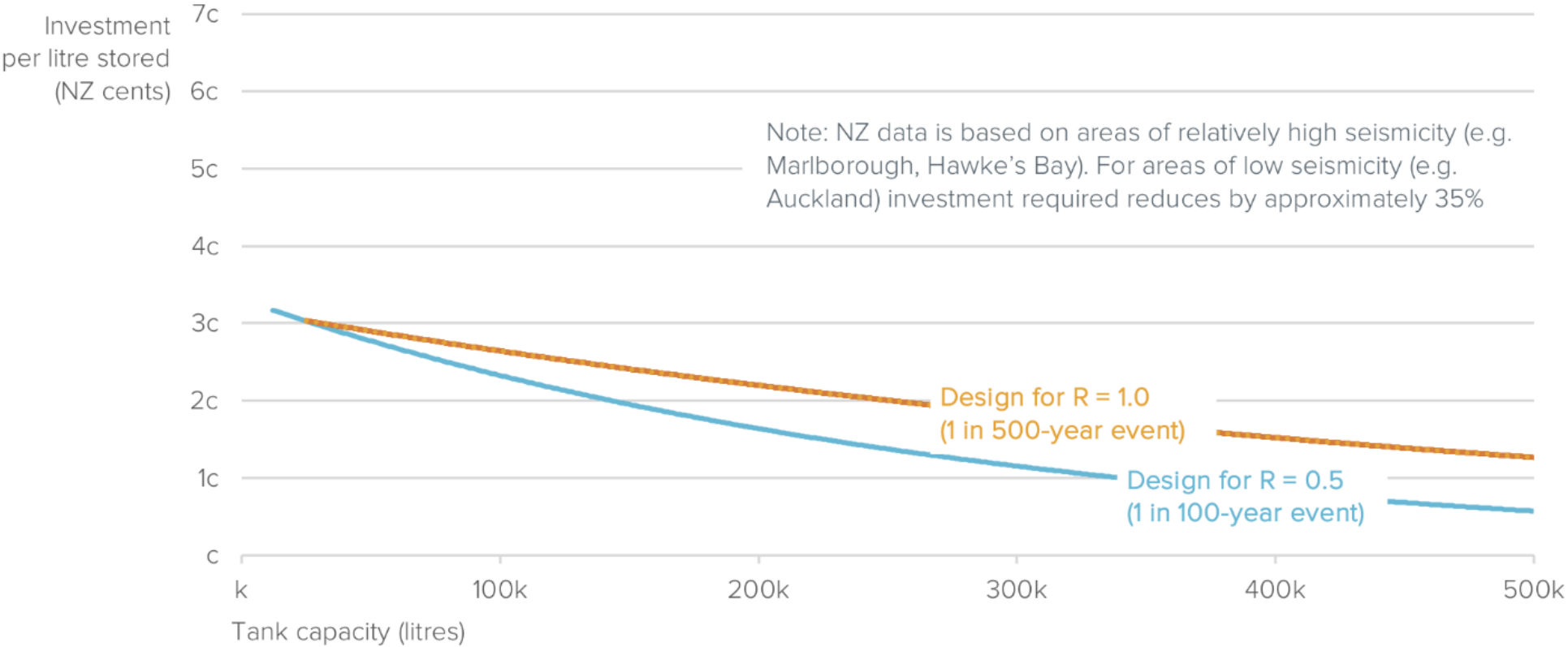


GROUND MOTION AND RESPONSE SPECTRA (SEDDON)



- Depth: 9 miles
- Largest amount of energy released was at Seddon, 62 miles north of epicentre
- 20,000 aftershocks (as at November 2017)
- 13m gallons of product protected in Onguard tanks
- 20-40% of total storage was lost, all in non-Onguard tanks

TYPICAL INVESTMENT REQUIRED PER YEAR, BASED ON INVESTMENT SPREAD OVER FIVE YEARS





LAB TESTED. EARTHQUAKE PROVEN.



INDUSTRY SECTORS

- Petrochemical
- Wine
- Dairy
- Brewing
- Hazchem
- Key facilities



KEY PARTNERS

Customers

Insurance Industry

Academic Institutions:
UoA, UoC, UC Berkeley

Tank Manufacturers

Structural Engineers

ACCOLADES



**EY Entrepreneur
Of The Year™**

2017 New Zealand

Technology & emerging industries category winner



**INNOVATION
FUND** POWERED BY WESTPAC
& ALL OF GOVERNMENT



**NEW ZEALAND
INNOVATION
AWARDS® 2017**

Today's healthy takeaways

- Your investment in the Onguard system allows you to sleep at night knowing your business is protected from the next earthquake

- Onguard Protects;

PEOPLE
PLANT **PROFIT**
PRODUCT **MARKET**
BUSINESS



LAB TESTED. EARTHQUAKE PROVEN.

