



Here's how:



We design Building Rating Systems



We **certify** design professionals



We **empower** building stakeholders



We advocate for resilience policies



We partner with industry leaders

The USRC E ⁴ Principle	USRC
engineering in the service of equity, the economy and our enviroment	 The USRC's E⁴ Principle builds Community Resilience by placing Engineering in the service of Equity, the Environment, and our Economy. Equity – working to ensure that resilience is affordable, practical and accessible to our vulnerable populations who are at greatest risk from natural hazards. Environment – recognizing that resilient buildings mitigate negative impacts on the environment, by reducing debris and the need to produce more materials following a natural disaster. Economy – preserving building assets and speeding recovery form natural peril events is essential to ensuring that they don't become economic disasters for our communities and states.

Christchurch Earthquakes

Socioeconomic Impacts

Only 2 buildings collapsed

50% of buildings in downtown had to be demolished

Were expectations met?

Depends on who you ask!



Christchurch Earthquakes

Environmental Impacts

27 meter high mound of debris

Toxic waste distributed around the country and to foreign islands



















USRC Ratings						USRC
	Configuration	USRC SAFETY Rating	USRC DAMAGE Rating	USRC RECOVERY Rating	Overall USRC Rating	
	Los Angeles					SULLING SULENCY CO
	ICF	****	****	****(*)	Gold to Platinum	
Smann Sky	Wood Frame	****	****	**		COLD
Actual Photography	CLT	****	****	**		ALLENCY CA
	Steel Frame	****	***	***	Silver	
USRC Earthquake ratings provide an	Seattle					SILVER
easy to communicate measure of	ICF	****	****	****(*)	Gold to Platinum	
performance	Wood Frame	****	****	***	Silver	
Silver Bating is approximately a	CLT	****	****	***	Silver	
code level design for Risk Category II	Steel Frame	****	****	***	Silver	
buildings	Memphis					
Cold and Distingues Dations and	ICF	****	****	****(*)	Gold to Platinum	
typically reserved for Risk Category	Wood Frame	****	****	**		
III and IV buildings	CLT	****	****	**		
	Steel Frame	****	***	***	Silver	









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