# Group 3

# **Evaluation of seismic resistance** of buildings in Peru

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**EXISTING BUILDING TYPES IN PERU** 



Adobe







Concrete **Ductility Walls** 



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### 1. How strong the building against earthquakes?

## Test of Material Strength



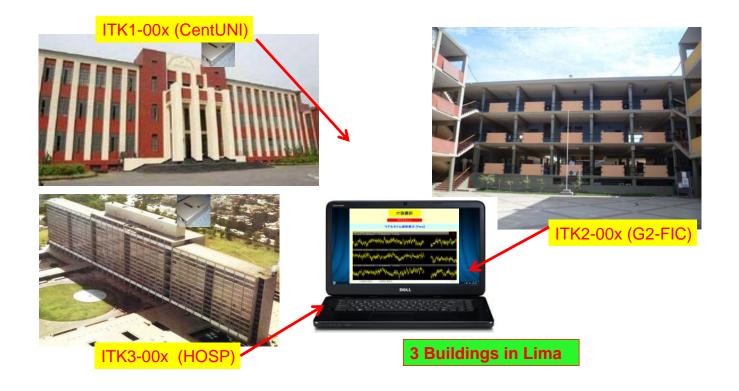






2. How to evaluate real building behavior?

### Monitoring using IT sensors



#### Installation of IT sensors



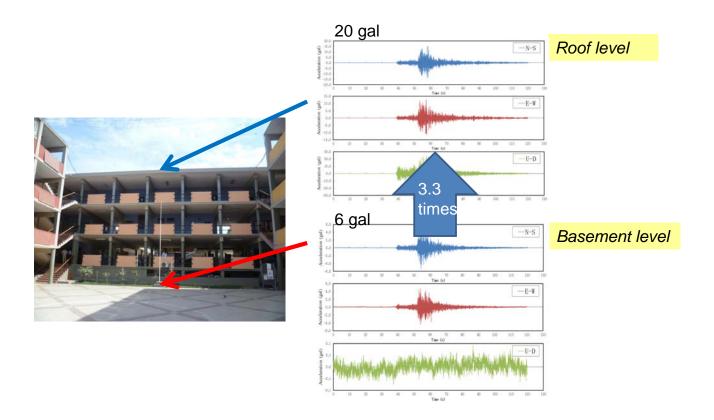


Sensor at ceiling



Sensor at ground

### Obtained record for earthquake on 31 Dec. 2012



#### Computer simulation

