

In support of  
**National Disaster Preparedness Month**  
(Bulan Kesiapsiagaan Nasional)

# WEBINAR ON: POST-INSTALLED FASTENERS DESIGN FOR SEISMIC CONDITIONS TO EC2 PART 4

**26 OCTOBER  
2024, SATURDAY  
9.00 - 11.00 AM  
ZOOM ONLINE**

**BEM APPROVED CPD: 2 CPD REF. NO.: IEM24/HQ/435/T (W)**

**SCAN ME**



## REGISTRATION FEES:

IEM STUDENT

**FREE**

IEM MEMBER

**RM15**

NON IEM MEMBER

**RM70**

## CONTACT



## OUR SPEAKER



**IR. RAYMOND CHONG WOEI SONG**

Graduated from University Malaya in 2008 with a B.Eng in field of Civil Engineering. He has a total of 16 years' experience in construction industry. Started as infrastructure designer, involved in the masterplan study of water supply systems, detailed design of earthwork, roadwork, reservoir and water pipes. He has been working in Hilti Malaysia since 2015 in multiple roles within the engineering department to drive codes, standards and design methods related to HILTI's business, especially on fastening technology, i.e. post installed anchors and rebars. Currently he is working as Engineering Marketing Manager in Hilti Asia Pacific, driving the fastening business and solution for SEA markets, Australia, New Zealand and India.

## SYNOPSIS



Earthquakes are much more common than we realize, happening every day all over the world. Not only can they bring a great cost of life, but they can also do great damage to buildings and the economy. All this can be limited by good seismic construction design and specification. It's important to include seismic design for both non-structural and structural elements of a building, as research shows that non-structural systems suffer the largest damage in commercial buildings during an earthquake. During earthquakes, buildings are subjected to loads well beyond their usual demands, resulting in high stresses in the structural components and additional inertial forces coming from the non-structural elements.

When post-installed anchors are used to form the connection between non-structural or structural members and the primary reinforced concrete structure, these anchors are also subjected to high seismic demands. To determine whether a post-installed anchor is suitable for such applications, it is assessed for its performance under seismic demands. Current European approach for testing, qualification and design of post-installed anchors under seismic actions will be discussed in this webinar in the context of structural applications where anchors are used to form the connection between structural members that participate in the load-transfer mechanism against seismic loads.

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