

# FORENSIC STRUCTURAL ENGINEERING CASE STUDIES

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## FORENSIC STRUCTURAL ENGINEERING – INTRODUCTION

**Forensic Engineering is the application of the art and science of Engineering in the judicial system**, which requires the professional services of legally qualified engineers. May include the investigation of physical causes of accidents and other sources of claims and litigation, preparation of engineering reports, testimony in hearings and trials in administrative or judicial proceedings, and the provision of advisory opinions to assist in the resolution of disputes that affect life or property. *Milton F. Lulich, former General Counsel to the NSPE.*

**The Forensic Engineer is a professional engineer who deals with engineering associated with legal issues.** Activities associated with forensic engineering include determining the physical or technical causes of accidents or failures, preparing reports, and presenting testimonies or advice and opinions that assist in the resolution of related disputes. The Forensic Engineer may also be asked to render an opinion on liability for the accident or failure. *Carper*

## FORENSIC STRUCTURAL ENGINEERING – CASE STUDIES

### Definition of failure:

**When an installation, structure or material does not satisfactorily fulfill the function in the way intended and for which it was created or executed.** Neither partial or total collapse, nor

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