

## THREE DIMENSIONS WEB BASED STRUCTURAL ANALYSIS SOFTWARE

### TECHNOLOGY DESCRIPTION

This technology is NARCBEEDS software that supports linear and non-linear analysis with a DOS- based finite element program.

### TECHNOLOGY FEATURES

The development of a web based pre and post processor for this software enables it to operate on any platform or internet browser or Operating System (OS) such as Windows or Linux. This software is protected from illegal copyright and distribution without a license key. It allows processing of huge structure and model analysis. The software can be operated from home, workplace or road. It is also possible to use the software for account management. It has user friendly usage guidelines which allow universities to train students without paying much. The entire program can be run without the purchase of expensive software or hardware.

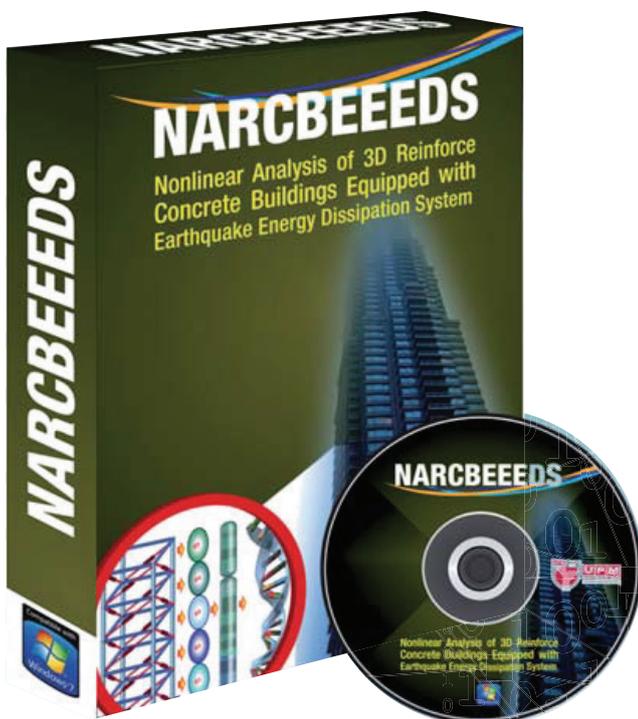
### ADVANTAGES

- Software can run offline
- Files are protected if the computer crashes
- Does not require download, install or update
- Only requires internet connection to function on cell phone, tablet or computer
- Cost effective

### INDUSTRY OVERVIEW

**Prospects: engineers in the construction industry, structural engineers, structural engineering students, researchers in the structural engineering field.**

As a leading engineering nation, Germany has an estimated 1 million engineers for a population of 82 million (engineer:population ratio of 1:82). France has an estimated 800,000 for a population of 60 million (engineer:population ratio of 1:75). In 2006, the Board of Engineers Malaysia has a total register of 52,000 graduate and professional engineers. In 2006, an estimated 10,571 students entered first year engineering studies in public and private universities. Hence with the expected growth, the government is projecting that more than 77,000 and 222,000 engineering graduates will be produced cumulatively from Malaysian universities in 2011 and 2014 respectively. In 2014, there are 11,202 professional engineers, 77,067 graduate engineer, 999 sole proprietorship and 1009 body corporate engineers in Malaysia. Current brands of structural analysis software for engineering include: STRAP, ADINA, ALGOR, ANSYS, COSMOS/M, ETABS.ROBOT V6, RISA 3D.



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