

CADS Software India Pvt Ltd

CADS Software India Pvt Ltd, Chennai, provides an innovative solution to almost all the needs of structural engineering. Software packages by *CADS* are being used all over the world in more than 54 countries for nearly 25 years. Supported by the founder, Dr Leroy Emkin, CADS Software Indian Pvt Ltd has a team of experts to support their wide clientele base throughout the world. The range of software packages for solving civil and structural engineering problems are analysis, design and detailing of reinforced concrete and steel structures. As a part of the under graduate and post graduate course, *CADS* software packages are being used by many reputed educational institutions in India. Apart from the academic institutions, most of the consulting organisations of repute are also extensively using *CADS* software packages in their day-to-day engineering activities. Some of the *CADS* products are mentioned here for reference.

- *Structural Analysis – A3D* – it is three-dimensional software which is used for analysis of simple

continuous beams to complex space frames on *Windows* platform.

- *RC beam design* – it provides an efficient method of designing reinforced concrete beams as per IS, BS and ACI codes.
- *RC column design* – it is a new software application for the design and analysis of reinforced concrete columns as per IS, BS and ACI codes.
- *Pad foundation design* – it checks the design of reinforced and unreinforced pad bases which are based on concrete, steel and soil properties for upto 40 load combinations
- *Steel Design* packages include design of steel members and connections.
- *SWMC* is a moment connection software on *Windows* to calculate the ultimate load capacity of various types of end connections

for steel beams using information about dimensions and strength parameter.

- *Smart Engineer* is a customisable design package for steel, concrete, masonry and timber with more than 150 templates with drawings.
- *Detailing Software* used for detailing of reinforced concrete and steel.

In addition to the above, *CADS* also develop packages on masonry design, geotechnical engineering, roads and drainage. *CADS* also market some of the renowned finite element packages such as *GT Strudl* in collaboration with Case Centre of Georgia Tech University, USA.

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