



ADVANCED STRUCTURAL STEEL DESIGN

"Trusses, Beams, Columns and Composed Sections"

2CPD points by CESA

Virtual

Date: 14th - 16th July, 2021

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Introduction

Steel is the most used construction material for industrial buildings, high-rise towers, bridges and other structures. It competes with reinforced concrete in the world because of its many favourable characteristics including high strength, high stiffness, ductility and toughness, speed of erection, competitive cost, etc. In many countries across the globe, steel is mostly used in industrial plants, offshore structures and warehouses. The speed for construction and its use for building temporary structure make it competitive than concrete.

The design of steel structures that has been widely based on the Allowable Stress Design (ASD), AISC, BS and EC3 will be discussed. This ZAMBEZI PRIDE Structural Steel Design training course will be presented to enable the trainees of design most elements of steel structure in addition to connections.

This ZAMBEZI PRIDE training course will feature:

- Case studies from different industries
- The codes and standard with technical practice in this field
- The new trend of integrity management system will be presented
- The design of most elements of steel structures
- The capability of review the engineering and pitfalls in construction
- The pushover structure analysis technique

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