A wizard-based tool for creating standard steel structures and custom assemblies. It also has an ability to extract GA drawings of the structures and generate reports for Bill of Material (BOM) and quantities (BOQ). Its SDNF export interface enables user to export steel structure data to Tekla or Advance Steel for further detailing.

Benefits
- CADISON® Steel Layout Module provides significant time-saving in creation and visualization of complex structures for space planning & collision control
- Quick modeling of Steel Layout as per the standards
- Accurate BOM generation from the layout drawing’s
- Export drawing in SDNF format to Tekla/Advance Steel for further engineering/analysis

Report generation
- Ability to extract GA drawings from 3D steel structures
- These reports give piecewise information of its type, size and weight or provide categorized report of the steel sections for the type, length, weight and quantity
- BOM & Reports for cost calculations
- MTOs for quantity extractions

SDNF interface:
- With Structural Steel Detailing Neutral File (SDNF) export interface, the Users of Steel Layout can export steel structures to Tekla, Advance Steel for further detailing
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E-mail: marketing@cadison.com  www.cadison.com
**Steel Layout for Efficient Steel Structures & Assemblies**

**Key Features:**
- Effortless placement of steel structures/profiles using wizards
- Easier Standards configuration
- Reusability of Standards/Steel objects for new projects
- Standard structures (Platforms, Handrails, Staircase, Ladders, Trusses, etc.) can be modified based on user inputs
- Ability to build custom assemblies and structures
- SDNF interface to export steel structure to Tekla/Advance Steel for further detailing
- Integrated report generator for extracting BOM, MTOs, etc.

**Steel Layout as per the Standards:**
- 3D Steel layout with minimum inputs and as per the standards (DIN, ISO, BS, ISA, etc.)
- User can create company standards or create new standards for selected structure type (or sub type)
- It validates the values entered by users with the guiding values from a standard (units, default/maximum values, etc.)
- Selection of valid catalog shapes and types of objects for the components to create structures
- User can also copy existing standards and fine-tune it using ‘Edit’ option available in ‘Administrate configuration set’ UI
- Other features include - End-cut representation to trim the steel profilesbeam/columns), adding multiple steel profiles such as Beams or columns for quicker creation of structural assemblies

**Wizard for Standard Structures:**
- **User defined steel sections:** Columns, Primary & Secondary Beams, Braces and types for Base Plate and Flooring
- **Staircases & Ladders**
  - **Caged Ladder (3 types) are supported:** Caged ladder with front exit, Caged ladder with left exit, Caged ladder with right exit
- **Platforms:** Rectangular, Polygonal (Circular) and freeform platforms
- **Handrails:** Continuous or split handrails
- **Trusses (7 types) are supported:** King truss, Queen truss, Warren truss, Pratt truss, Lattice truss, North Flight truss, Hove roof overhanging truss

**Custom Assembly of Steel Objects:**
- This module introduces a new assembly object called ‘Steel Structure’. This object helps users to build custom assembly of steel objects to form a group and name it.
- Naming the Steel Structure helps in identifying and categorizing the steel elements at plant level such as platforms, gratings, frames, roofs, towers, etc.
- These objects also help in preparing specific BOMs and cost calculations
- Custom/Non-standard structures: Pipe Racks, towers, custom pipe supports, frames, custom platforms, gratings, roofs, etc.
- It also enables the users to create non-standard pipe supports manually using steel profiles (Beam/Columns)
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