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We use SCIA Engineer for calculations of steel structures, from crane beams to large sports halls. SCIA Engineer's user experience and intuitiveness makes it a really powerful tool. At the same time the capabilities of this software are very extended. We use it for linear, nonlinear and stability analysis.

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With SCIA Engineer, you get the powerful structural engineering software to model, analyze and optimize a 3D model of any structure, material or load condition, quickly and accurately, using a familiar, logical and intuitive CAD-like user interface. REQUEST A FREE TRIAL . GETTING STARTED. FIND OUT MORE ABOUT SCIA ENGINEER

*SCIA, Structural Analysis Software and Design Tools for ...*

Video shows the input of the structure, and definition of parameters

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for Material, Cross Section, Geometry, loads and Layers. With Layers, you can create one...

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*Steel frame - vsb.cz*

This video demonstrates how to model a steel structure using SCIA Engineer 16.1 (Part 1) Part 2 for EC3 checks and connections here: <https://youtu.be/k14fBDg...>

*SCIA Engineer steel space frame - Part 1 - YouTube*

SCIA Engineer now specialises in the analysis and design of cold formed steel frames including EN1993-1-3:2006 cold formed steel design checks as well as having the capability to design projects using hot rolled steel, timber and concrete. With SCIA Engineer you can design an entire portal building including purlins, door frames and a raft foundation in a single 3D model that works with your BIM process.

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SCIA Engineer 20 brings a comprehensive collection of improvements that will help you design concrete and steel structures even faster and more effortlessly than before. These new capabilities help structural engineers save the valuable time and produce a safe, reliable and economical design with a minimum of manual effort.

*Structural Analysis and Design Software - SCIA Engineer*

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This allows the combination of the world-renowned analysis capabilities of SCIA Engineer with the unmatched connection design capabilities of SDS/2. Register to learn how engineers and detailers can: Analyze and design steel structures in SCIA Engineer according to AISC 360 and AISI S100.

## *Designing Steel Structures with SCIA Engineer & SDS/2*

Tutorial Frame Steel 2 Introduction This tutorial describes the main functions of Scia Engineer 15, the input of design data and calculation of a 3D steel frame building. The tutorial will begin with the creation of a new project and the modelling of the steel frame structure. After the input of all frame geometry

## *Steel Hall (AISC 360-10) AISC Steel Hall*

In this webinar, we will explain the need of a stability analysis in order to obtain the  $\phi_{cr}$  value of the structure as described in art. 5.2.1 of EN1993-1-1....

## *[EN] Analysis and design of a steel hall with SCIA Engineer*

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## *Getting Started with SCIA Engineer*

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Highly efficient and flexible modeller for simple 2D frames as well as complex 3D structures with thousands of columns, beams, purlins, ties and other elements. • Built-in libraries of materials, cross-sections • Predefined shapes of typical steel structures

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