

INTERNATIONAL



WHAT DOES SuCri® DO?

For users of Autodesk® AutoCAD® Plant 3D™ & Advance Steel™

www.sucri.de



What does SuCri® do?

SuCri® is a specialized software plugin developed by IntegaDesign GmbH for Autodesk® AutoCAD® Plant 3D™ and Advance Steel™. The solution has been specifically designed for use in **detail engineering within industrial plant and steel construction**, enabling engineers to execute recurring and time-intensive planning tasks efficiently, in a standardized manner, and in full compliance with project rules.

SuCri® addresses exactly the phase where conceptual and basic engineering must be transformed into **fabrication-ready, installation-ready, and consistent solutions** — directly within the existing Autodesk® CAD environment.

What is SuCri® used for?

SuCri® supports the planning and detailing of **pipe supports and steel structures** within complex plant models. The primary focus is on the **automation of typical detail-engineering tasks** that were previously manual, error-prone, and time-consuming.

Typical application areas include:

- Planning and placement of pipe supports
- Primary and secondary steel structures
- Detailed design of steel connections
- Greenfield, brownfield, and retrofit projects
- Derivation of drawings, bills of materials, and fabrication documents

How does SuCri® work in daily engineering practice?

SuCri® extends AutoCAD® Plant 3D™ and Advance Steel™ with **intelligent, rule-based functionality**. Instead of manually selecting and positioning pipe supports and steel components, SuCri® applies predefined logic, project-specific rules, and manufacturer-based data.

As a result, planning processes are significantly accelerated, model quality is increased, and potential sources of error are minimized. Design changes can be implemented consistently and transparently — without extensive rework.

Core functionalities of SuCri®

SuCri® combines practical functional depth with a high level of automation:

- Automatic placement of pipe supports and steel components
- Use of manufacturer-based component libraries e.g. Sikla®, Hilti®, and standard Plant 3D™ supports
- Rule-based validation of components and connections
- Intelligent component selection assistance
- Automated drawing generation
- Creation of bills of materials and fabrication documents
- Seamless collaboration between Plant 3D™ and Advance Steel™



What value does SuCri® deliver?

The use of SuCri® results in measurable benefits in daily engineering work:

- Significant time savings in detail engineering (often up to a factor of 10)
- Reduction of manual work steps
- Fewer planning and installation errors
- Consistent, standardized planning across projects
- High planning reliability and long-term investment security
- Clean, consistent, and fabrication-ready documentation

Who is SuCri® designed for?

SuCri® is intended for professional users in industrial plant engineering working with Autodesk® AutoCAD® Plant 3D™ and Advance Steel™, including:

- Engineering service providers
- EPC contractors
- Plant manufacturers and plant designers
- CAD and detail-engineering departments

Typical users include detail engineers, senior and lead engineers, CAD coordinators, and engineering managers working in international project environments.

SuCri® is more than a traditional CAD tool. It is an **engineering accelerator for industrial plant** construction, making detail engineering faster, safer, and more standardized. Through seamless integration into existing Autodesk® workflows, SuCri® supports engineers from initial component placement through to final documentation — practical, reliable, and globally applicable.