

CAD PLANNING AND CAD CONSTRUCTION

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IntegaDesign[®]

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Planning & Construction – Your project implemented precisely

Efficient CAD planning and 3D design for plant engineering

IntegaDesign GmbH provides comprehensive support in the planning and design of process engineering plants – from idea, to the initial concept, to complete technical documentation. Through our combination of professional excellence, technical precision, and many years of project experience, we offer you a structured, efficient, and fully documented engineering package.

Our services are aimed at companies that want to secure, accelerate, or scale their planning and construction processes during peak times with external experts.

Our planning and construction services at a glance

✓ 2D- UND 3D DRAWINGS

We take your planning documents and develop them precisely in the CAD environment. Our CAD drawing services include:

Conversion of hand sketches and PDF plans into 2D/3D CAD

Modelling and digitisation of existing systems based on measurements or point clouds

Serial adaptation of drawings in large quantities – fast and quality-assured

✓ STUDIES AND CONCEPT DEVELOPMENT

We support you with structured design studies and concept plans right from the early stages of your project. Our team creates:

Initial layouts and room concepts for new buildings or renovations

Layout plans and area allocations

Schematic piping plans (P&ID) and variant comparisons

✓ BASIC AND DETAILED PLANNING

From initial design to final construction planning:

We provide you with complete technical documentation for your projects – CAD-based, auditable, and standards-compliant.

Creation of basic designs with layouts, functional diagrams and main components

Detailed planning including piping routing, steel construction, supports and sectional views

Finalization through final documentation: isometrics, parts lists, drawing sets, PDF outputs

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✓ VISUALIZATIONS & DIGITAL PRESENTATIONS

Making technology visible: We create visual content that presents complex issues in an understandable way – for internal reviews, customer presentations or management decisions.

photorealistic renderings for marketing and sales

VR/AR processing for immersive presentation of your planning

Support with design reviews and digital stakeholder meetings

Why choose IntegaDesign GmbH?

- Specialized in Autodesk[®], AutoCAD[®], Plant 3D[™], Advance Steel[™] and Revit[®]
- Broad know-how in plant engineering, piping planning and steel construction
- Agile project management and high implementation speed
- In-house tool development for accelerated modeling and documentation

Contact us if you would like to

- expand your planning capabilities
- leverage external expertise or
- outsource parts of your design.

We deliver results you can rely on – efficient, quality-assured, and transparently documented at all times.