

# nanoCAD 24 Platform



## Engineering Ecosystem

nanoCAD is a multilingual professional-grade CAD platform fully compatible with the industry's DWG standard. It offers a familiar user interface with a wide set of tools for 2D/3D drafting that can be extended with modules specific to the professional needs in engineering, architecture, and construction.

### 5 special modules included



#### 3D Solid Modeling module

The module extends the nanoCAD platform with direct editing and parametric modeling. The module offers 3D constraints for mating parts into 3D assemblies and provides tools for sheet metal modeling.



#### Mechanica module

The module extends the nanoCAD platform with 2D and 3D mechanical design. Its parametric engine works with a built-in library of standard parts and calculators to generate drawings quickly.



#### Construction module

The module extends the nanoCAD platform with drafting utilities for parametric designs in architecture, engineering, and construction. Its IFC support and parametric libraries of standard parts help automate construction drawings and documentation.



#### Raster module

The module extends the nanoCAD platform with tools designed specifically for handling raster images, including very large ones. These tools import, correct, skew, convert, colorize, ectorize, and smart select raster images.



#### Topoplan module

The module extends the nanoCAD platform with digital terrain modeling. It lets surveyors create and modify TINs, texture them with raster overlays, generate reliefs, calculate volumes and areas.

And...

# Smart Drafting and Design

## Native DWG editor

Native DWG Format allows users to collaborate with their colleagues who use alternative CAD software with no data loss.

## Familiar User Interface

The User Interface and command structure allow users to speed up their productivity in no time and make their designs quick and easy.

## Open API for Developers

Compatibility with Industry APIs allows users to develop CAD applications, integrate calculations, automate design activities, and integrate drawings with external databases.

## IFC Support

IFC Support allows users to import IFC data into DWG environments and combine the two. To get information about IFC objects, it is enough to select and view them.

## Point Cloud Processing

Point Cloud Processing allows to open and view extremely large 3D point cloud files captured by laser scanners in LAS, BIN, PTS, PTX, PCD, and XVZ formats.

## Special Tools

Powerful Parametric Documentation Tools let teams develop drawings and automate design documentation, tables, models, and text.

## 3D Navigation

3D Navigation provides users with ways to navigate through 3D drawings, BIM models, and Point Clouds conveniently in a single document.

## Licensing and Pricing

### Flexible Licensing

Flexible Licensing allows businesses and individuals to choose a **1-year subscription** for an immediate start at a minimal cost or a **3-year subscription** to get a perpetual license, full support, and upgrades for 3 years to manage the long-term projects planning. Licensing can be based on **workstations** or **network** to involve the entire team into design process.