

## Engineering Ecosystem

nanoCAD is a 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 module included

### 3D Solid modeling Module

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

### Construction Module

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

### 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.

### Raster Module

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



## Topoplan Module

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

### Smart Design and Drafting

#### Native DWG editor

Native DWG format allows user 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 automate design activities, & integrate drawings with external databases

#### IFC Support

IFC support allows user to import IFC data into DWG environments and combine the two. To get information about IFC objects, it is enough to select & 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, PCD and XYZ 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

Flexible Licensing allows businesses and individuals to choose a **1-year subscription** for an immediate start 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.