

HOTEAMSOFT

CrownCAD & Rapid Team Solution

Cloud-Native 3D CAD for Collaborative Design

Shandong Hoteam Software Co., Ltd.

Innovation Drives the Future

Table of Contents

- HoteamSoft Overview
- CrownCAD Overview
- Proven Success in China
- Why CrownCAD



HoteamSoft Overview

3D-centric intelligent manufacturing software service provider

About HoteamSoft (Shandong Hoteam Software Co., Ltd.)

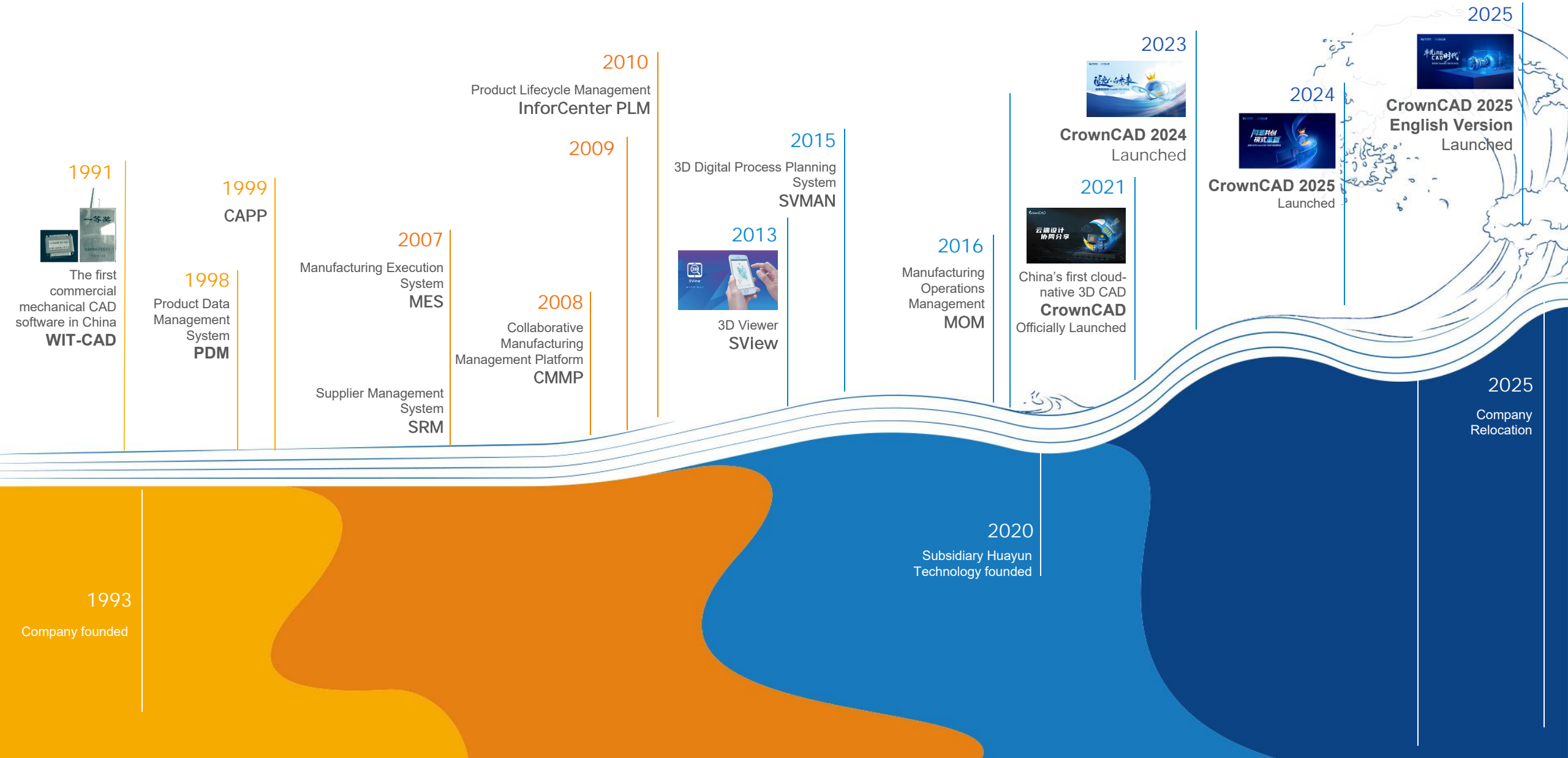
A Leader in Industrial Software Since 1993

- **30+** years of expertise in 3D software development
- **1000+** employees
- **1** headquarters in Jinan, **14** branch offices across China
- Comprehensive Portfolio: CAD, CAM, CAPP, PDM, PLM, MES, WMS, SRM, and digital factory solutions
- Trusted by **5000+** industrial customers in:
 - Aerospace & Rail (complex assembly)
 - Automotive (digital twin)
 - Healthcare (3D-printed implants)
 - Energy (plant digitalization)



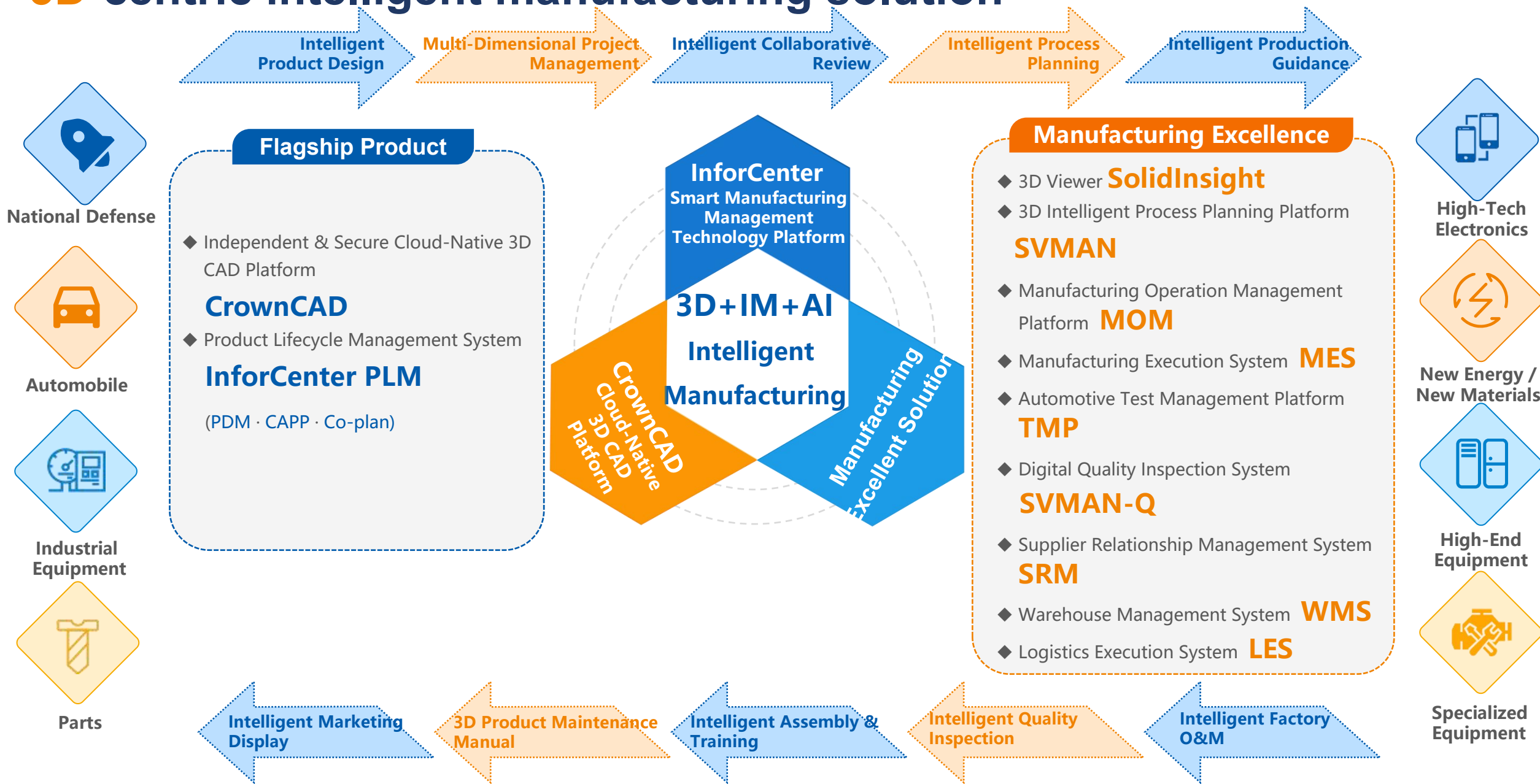
Company History

HOTEAMSOFT



3D-centric intelligent manufacturing solution

HOTEAMSOFT



Typical Customers



CHANGAN

SERES



BoHai

LOVOL



LEYARD

DHHI

Haier

Zihy

TGOOD

NXZ

SANY

Hisense

NEWISION



SDEE

JEVE

TONLY

BOZHI

Wanbao

LYC

JUANG



FOTON

JACK

LEIMING LASER

HVCET

DK DAKE
INTERNATIONAL INC

IESLab

CrownCAD Overview

CrownCAD: The Trusted, Cloud-Native 3D CAD Platform

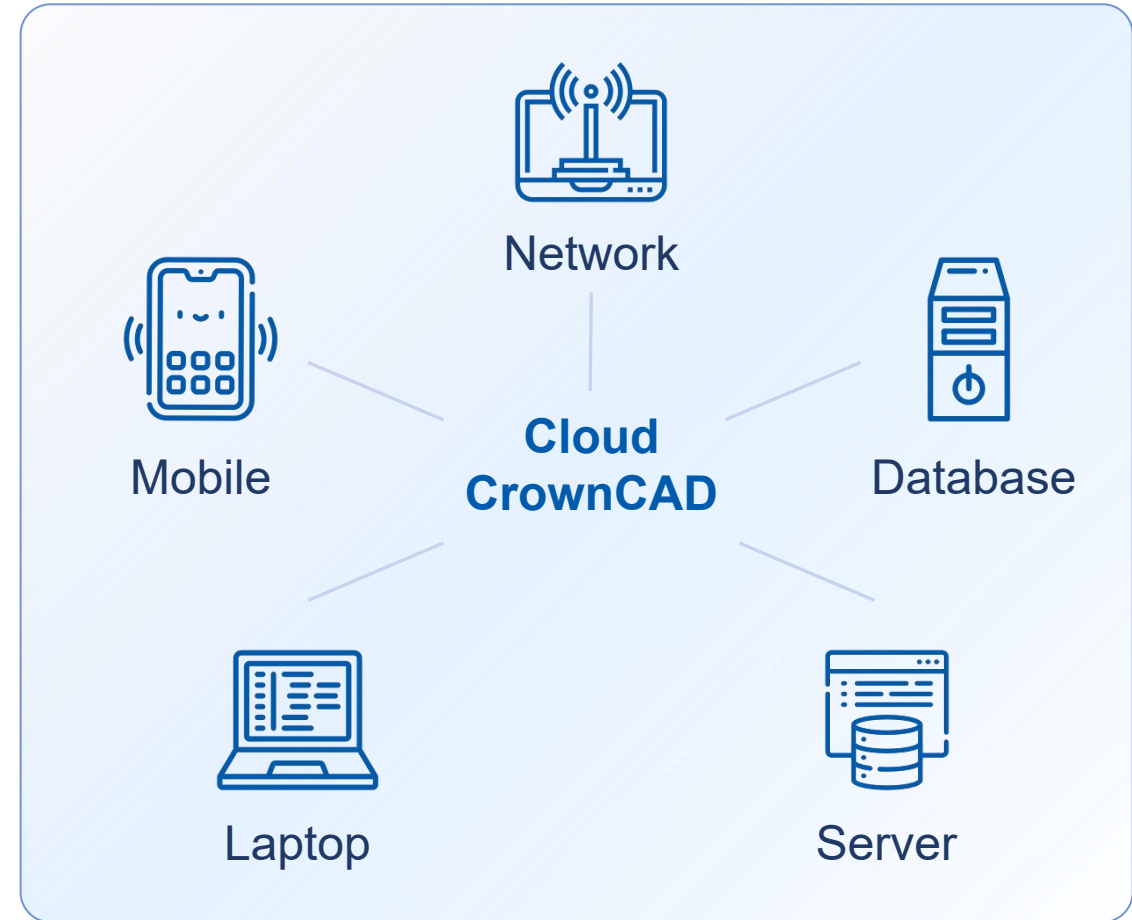
What's CrownCAD

Powered by self-developed DGM (Diamond Geometry Modeler) and DCS (Diamond Constraint Solver)

- Enjoy the same performance as mainstream 3D CAD (SOLIDWORKS®).
- Empower enterprises with efficient, deep application capabilities.

Truly Cloud-Native Design Platform

- **Design Anywhere, on Any Device:** No downloads, no IT hassles.
- **Real-Time Collaboration:** Multiple teams can co-edit, review, and comment on designs simultaneously—from different locations.



DGM (Diamond Geometry Modeler)

Fully Independent 3D DGM

Independent

Possesses 100% source code with complete intellectual property rights

Advanced

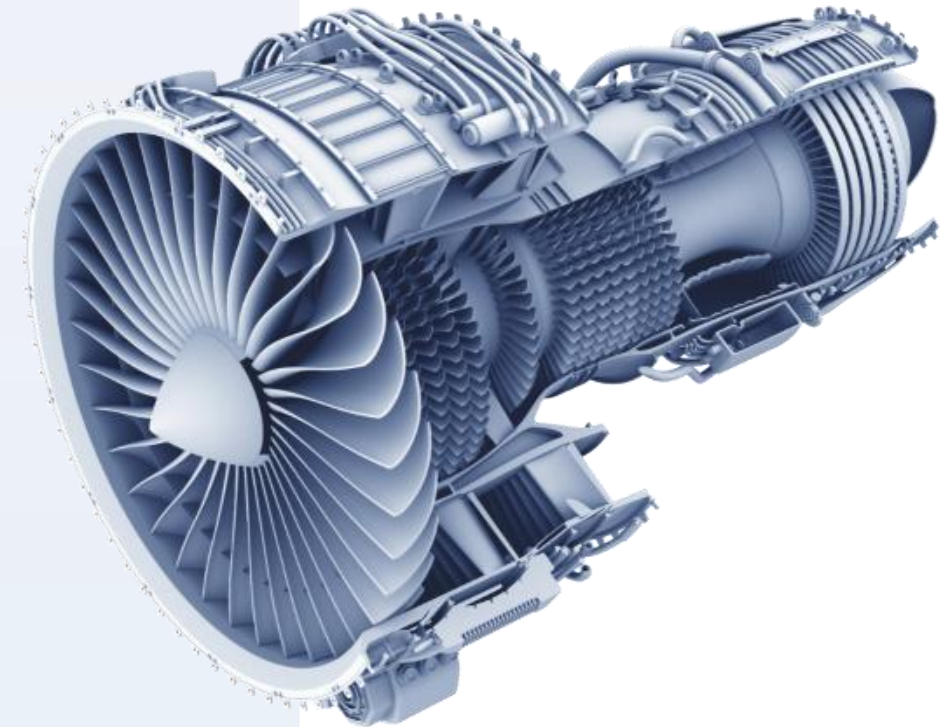
Benchmarked against and compatible with high-end counterparts Parasolid® and ACIS®

Reliable

Built on a new technical framework for easy scalability, maintainability, and robust stability

Advanced Modeling Capabilities – high-precision curve/surface modeling, solid modeling, direct modeling, and efficient CAD data exchange;

Extensive Application – general mechanical design, industrial design, consumer product design, and integration with CAE/CAM/BIM.



DCS (Diamond Constraint Solver)

Fully Independent 2D/3D DCS

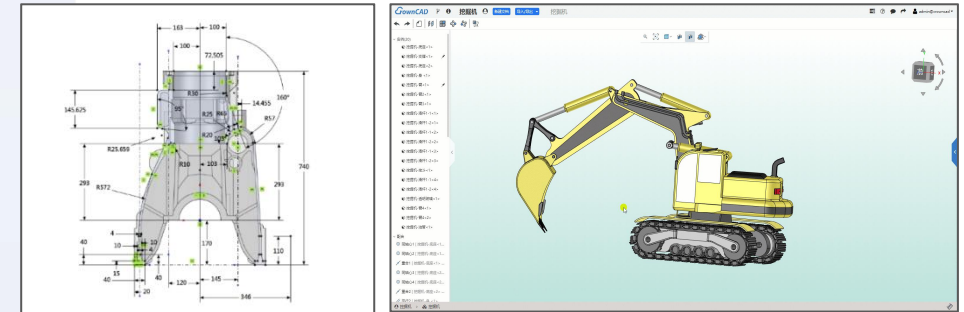
DCS is benchmarked against DCM® , enabling 2D and 3D parametric design.

2D constraint solvers provide core algorithms for sketch geometric and dimensional constraints.

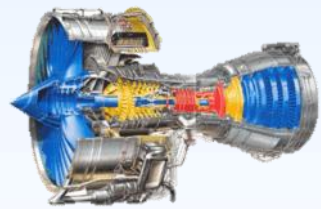
3D constraint solvers underpin assembly design, supporting mechanism analysis and motion simulation.

Advanced 2D and 3D Constraints Solving – meets the requirements for 2D sketch constraints and 3D assembly constraints;

Capabilities to manage complex and large scale constraint systems.

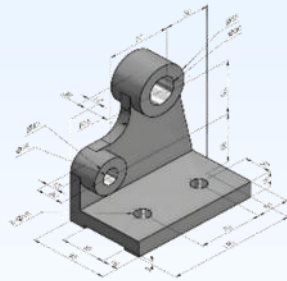


Development History of CrownCAD



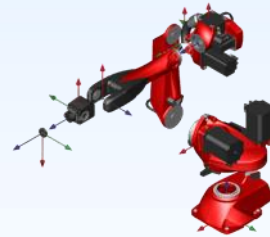
2011

Developed New
Diamond Geometry
Modeler (DGM)



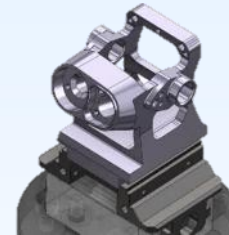
2017

Developed
Diamond
Constraint Solver
(DCS)



Sept. 8, 2021

Officially
Released
CrownCAD
5.1



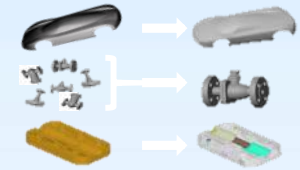
Oct. 28, 2022

Released
CrownCAD
2023



Sept. 26, 2023

Released
CrownCAD
2024

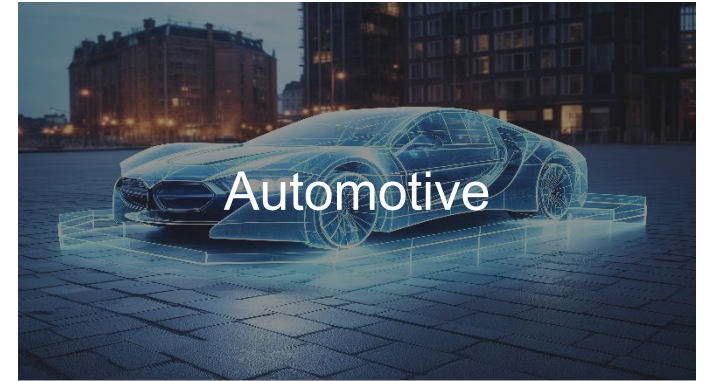
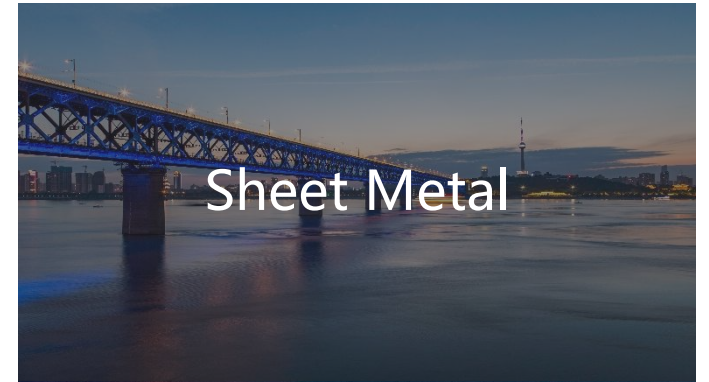


Sept. 26, 2024

Released
CrownCAD
2025



Proven Success in China



Industries Served - High-End Manufacturing

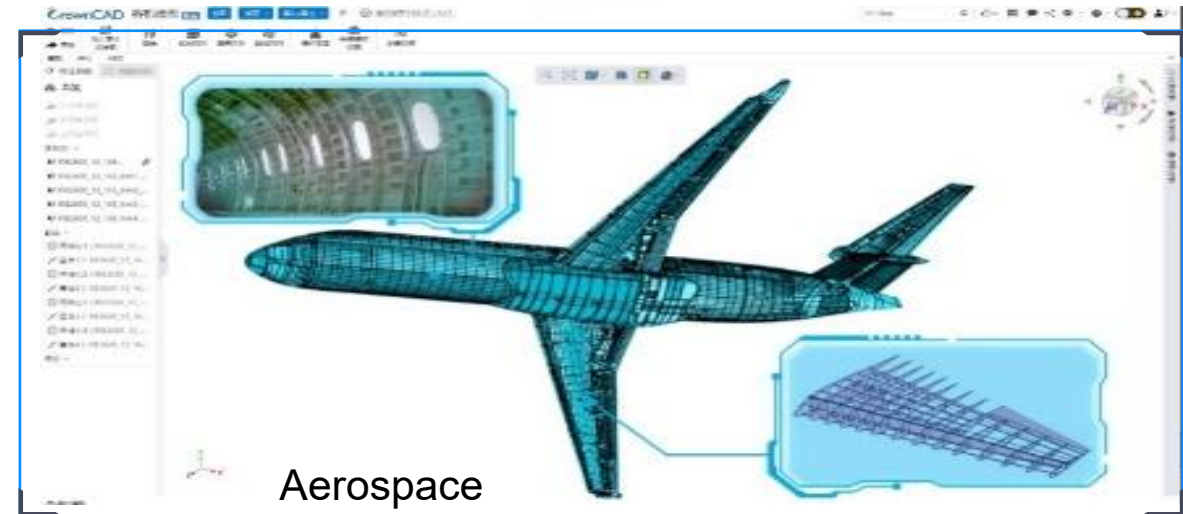
Independently developed CAD kernel (DGM & DCS) with extensive customization support.

COMAC Shanghai Aircraft Design & Research Institute

Scenario: Post-maintenance review of full-scale aircraft model

Solution: CrownCAD large assembly browsing

Purpose: Facilitate cross-departmental reviews and collaboration



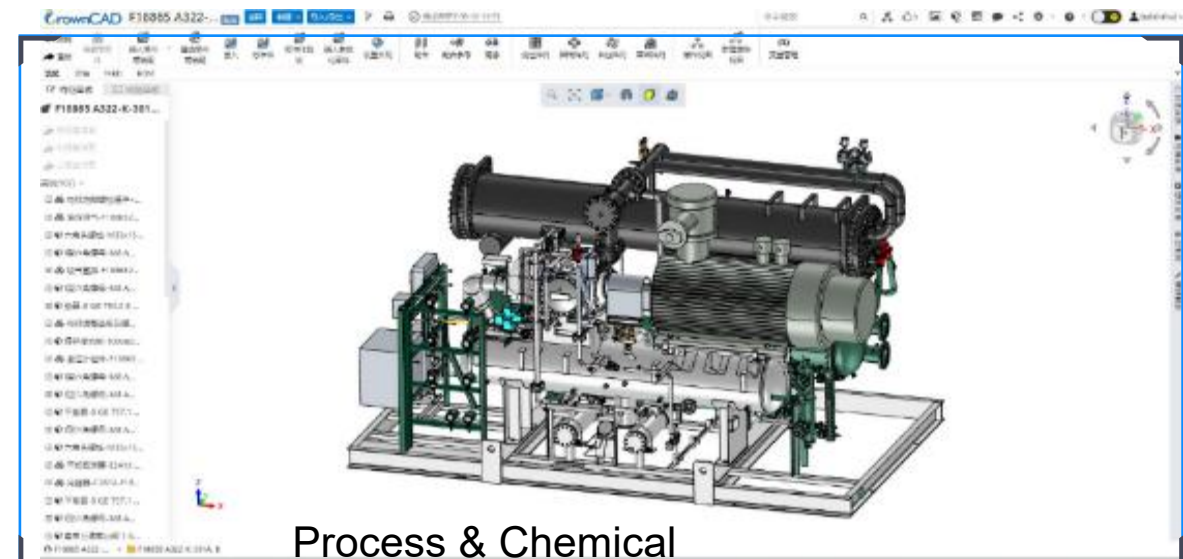
Aerospace

Sinopec Engineering Incorporation(SEI)

Scenario: 3D modeling & digital handover platform for petrochemical suppliers

Solution: CrownCAD cloud platform with CAD strengths for standardized modeling, design, and lifecycle management

Purpose: Enable collaborative design and digital handover via 3D models



Process & Chemical

Industries Served - Education, Training & Competitions

CrownCAD is ideal for education and training

- ✓ No installation – Teach and design directly in a browser
- ✓ Easy management – Centralized storage and grading of student work
- ✓ Real-time collaboration – Teachers and students co-edit models live in class

2022/2023/2024 BRICS Skills Competition (BRICS Future SKILL Challenge)

Scenario: BRICS vocational competition in industrial design

Solution: Participants used CrownCAD for 3D product modeling and live production and assembly.

Purpose: An exchange and learning platform for vocational colleges across BRICS nations (China, Russia, Brazil, India, South Africa) to develop international talent through real-world industrial design practice.



2023-2024 Machinery Industry Vocational Education Skills Competition

Scenario: Vocational college competition in digital design and manufacturing

Solution: CrownCAD-powered collaborative 3D modeling, digital design, and on-site production

Purpose: Enable skill exchange and showcase talent through real-world design and manufacturing



Industries Served - Automotive Components & Tooling

Sichuan Aerospace Shiyuan Technology Co., Ltd.

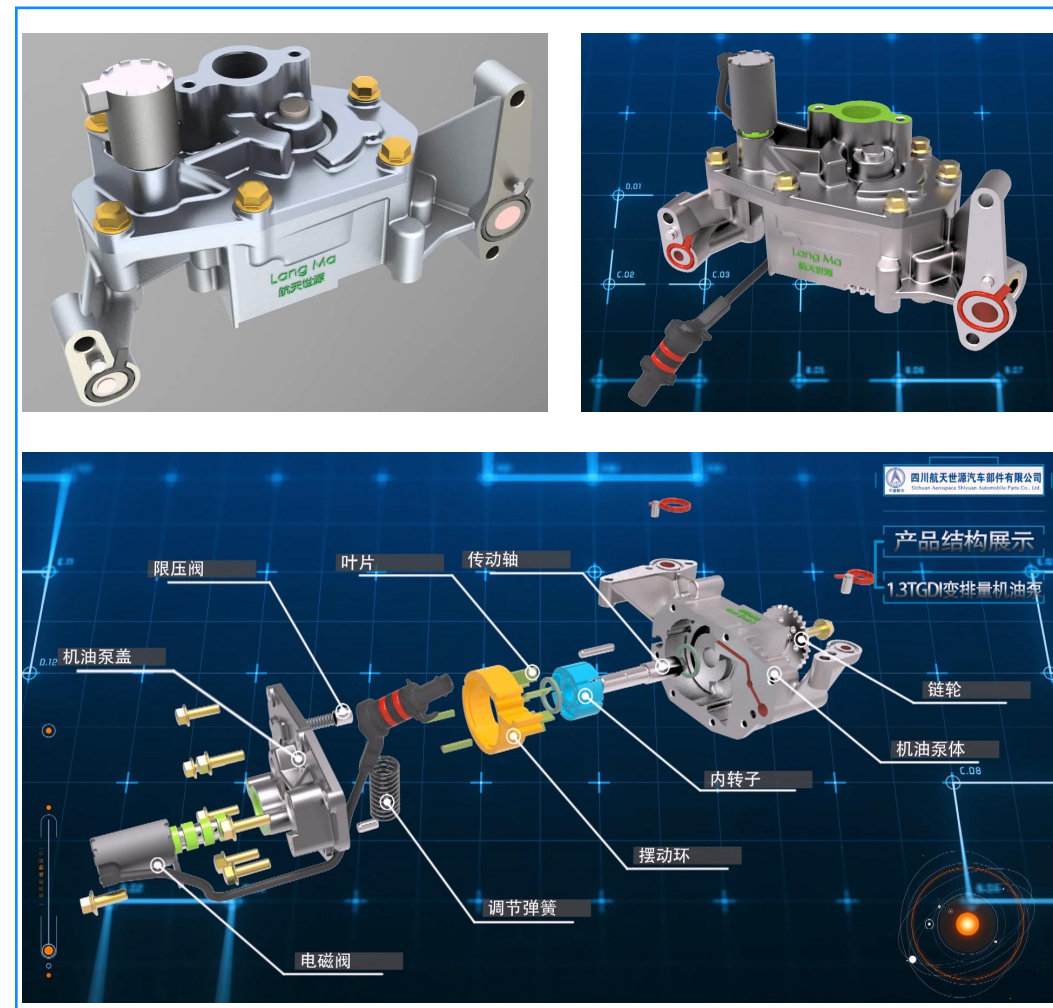
R&D, manufacturing & sales of **automotive engine components and new energy vehicle pumps.**

Customer Demands

- SolidWorks alternative
- Product design, assembly, inspection, motion, and drawing output.
- Smooth, lag-free performance
- Easy adoption for engineers

Application Effect

- ✓ Initial purchase in 2024, additional licenses in 2025
- ✓ One project in detailed design & drawing phase; projects with longer timelines will also transition
- ✓ Fillet and draft features are occasionally unreliable—SolidWorks cannot be fully replaced yet
- ✓ One-stop design: Parts → Assemblies → 2D Drawings
- ✓ Seamless collaboration between design and production teams



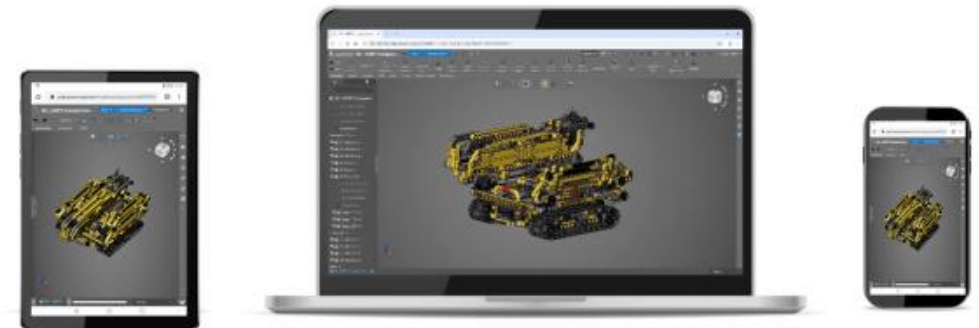
Why CrownCAD

More than a CAD

Why CrownCAD

Four Competitive Advantages in Establishing New CAD Benchmark

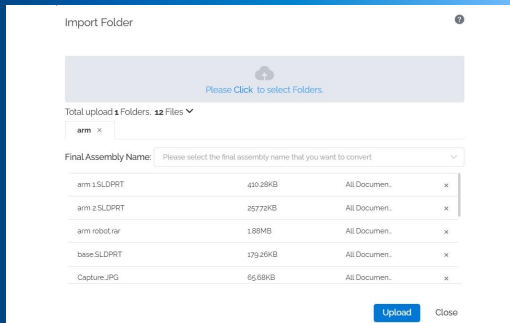
- **Lower Barrier to Entry — Anywhere, Anytime**
 - Cloud-native 3D CAD works instantly in your browser — no downloads, no IT setup.
 - Access your projects anytime, anywhere, even on the go.
- **Big Designs, Zero Lag**
 - Open million-part assemblies in seconds — no crashes, no slowdowns.
 - Enjoy desktop-level performance in a cloud-native platform.
- **Cross-Platform Collaboration**
 - Work simultaneously with teammates on web, PC, or mobile — all in sync.
 - Co-edit, review, and approve designs without file transfers or version conflicts.
- **Data Security**
 - Encrypted Cloud Security.
 - Security of Data Transmission and Storage.



Why CrownCAD

From 3D Modeling to Drawing Design:
Complete Design Solutions from Conception to Production.

Data Exchanges



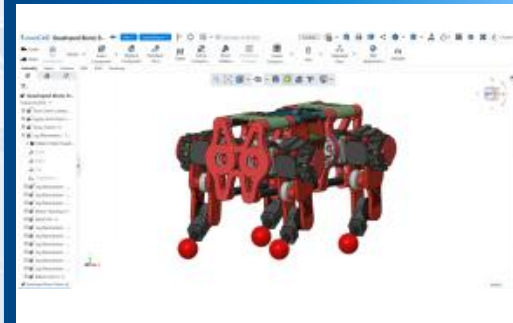
- Compatible with STEP, IGES, as well as CATIA, UG/NX, Creo, SolidWorks, DWG, and their engineering drawings.
- Compatible with SolidWorks and UG/NX engineering drawings.

Part Design



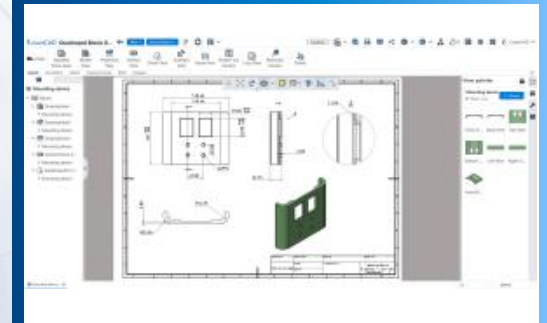
- Parametric Solid Modeling
- Surface/Mesh Modeling
- 3D Annotations
- Extensive Library Resources

Assembly Design



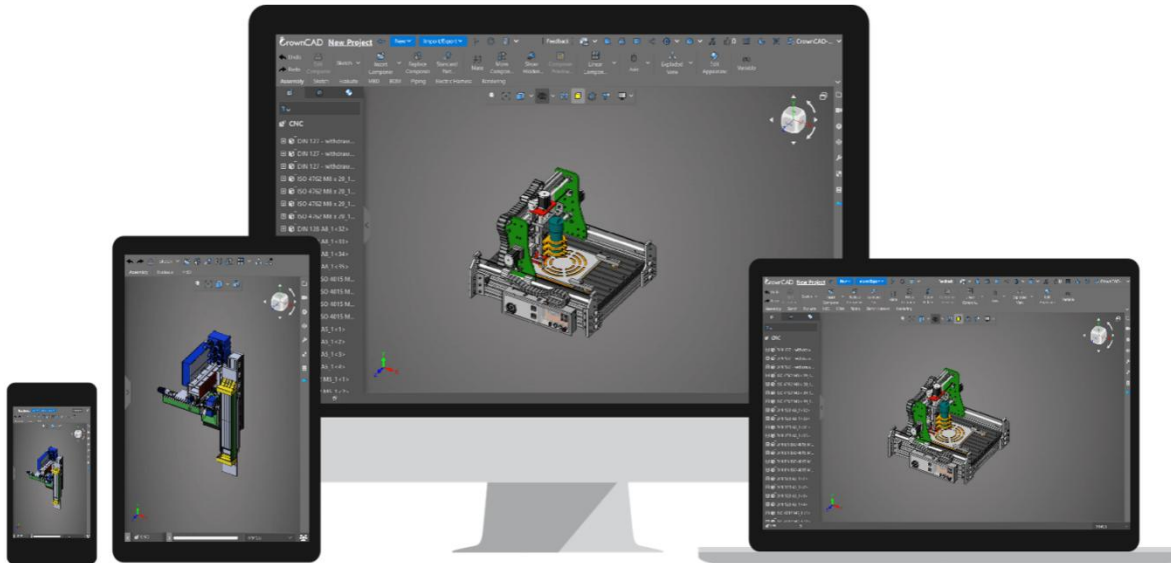
- Large Assembly in Lightweight Mode
- Assembly Constraint Design
- Interference Detection and Clearance Detection for Security Assurance
- In-place Editing

Drawing Design



- Efficient Engineering Drawing Projection
- Synchronization Between 3D Parts and 2D Engineering Drawings
- Custom Annotation

Cloud Collaboration Design



Team Collaboration: CrownCAD enhances team collaboration through its integrated team management capabilities.

Secure Collaboration Framework: Ensures data security through strict access controls and multi-layered rollback mechanisms.

High-Efficiency Workflow: Reduced Data Transfer with Real-Time Response

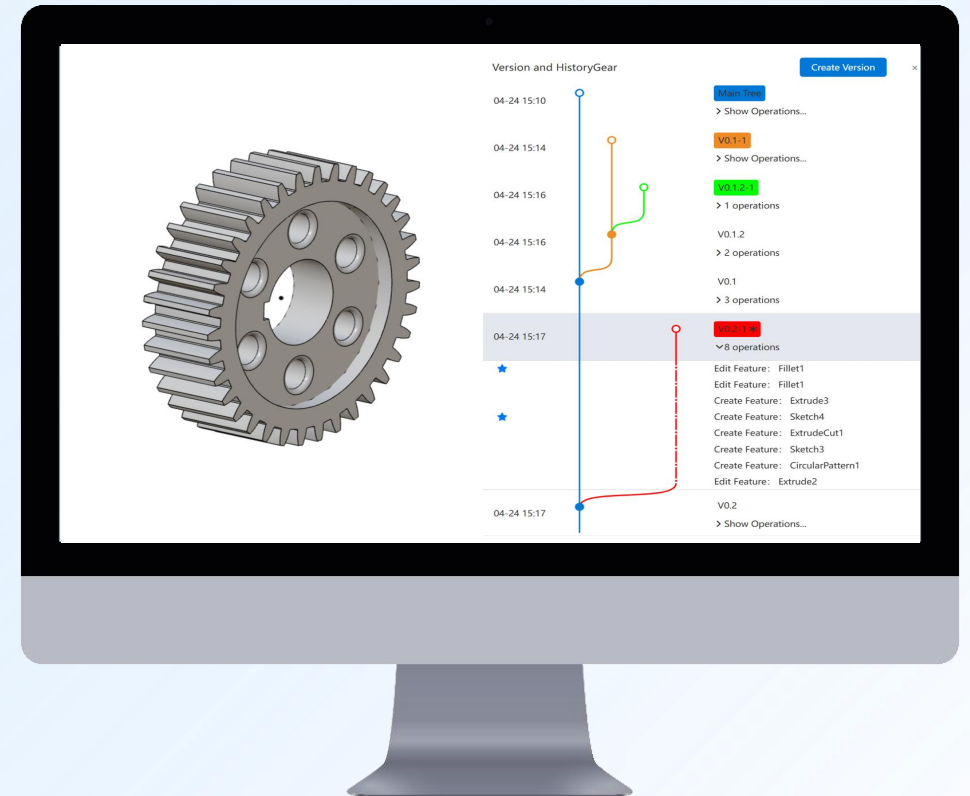
Cross-Platform Synchronization: Multi-User Collaboration on PC & Mobile for Design & Review

Cloud Data Management

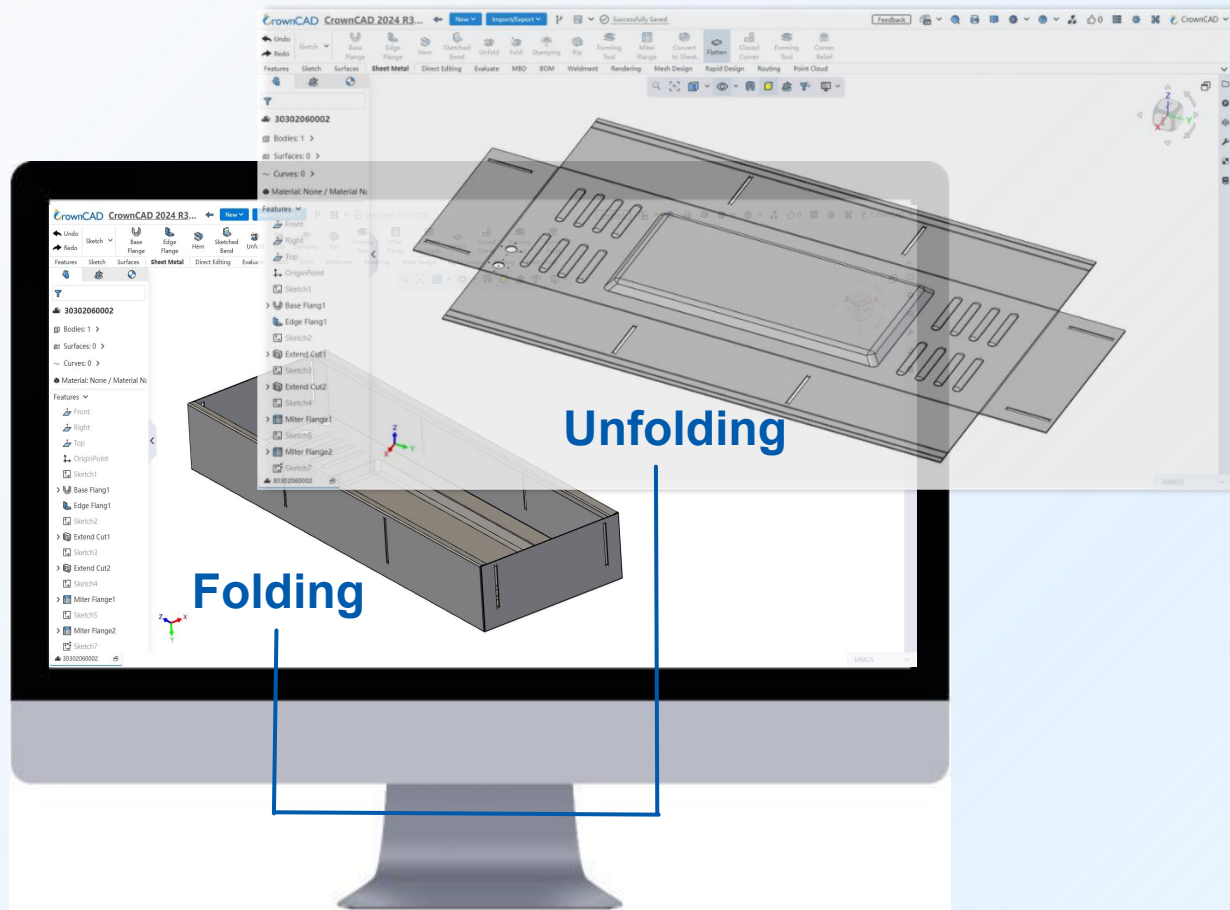
Version Control | Simplified Version Nodes & Branching
Easy Design Review & Version Control

Complete Edit History | Users can revert to any previous
action at any time

Data Security | Encrypted Cloud Storage;
Encrypted Data in Transit;
Enhanced Data Security Assurance



Professional Modules: Sheet Metal Design



Supports creating basic sheet metal such as base flanges, edge flanges, miter flanges, etc.

Enables quick creation of features such as louvers and stamping....

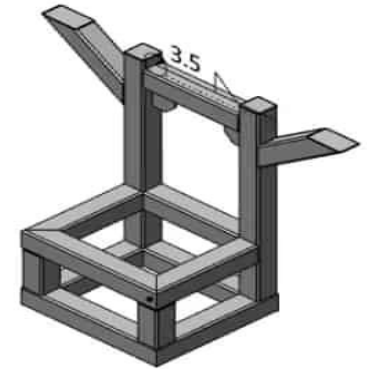
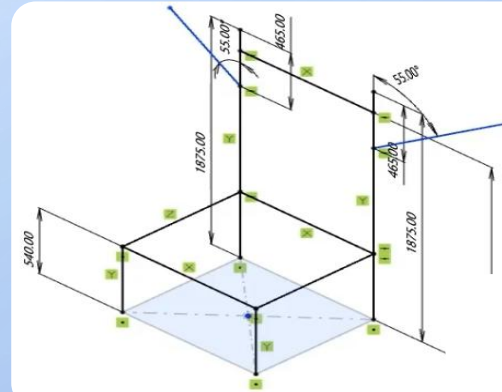
Supports rapid unfolding and folding for seamless design-to-manufacturing communication.

Professional Modules: Weldment Design

Provides a rich structural component library containing various commonly used profiles.

Flexible and powerful cutting/extension processing, along with one-step forming tools for gusset plates, end caps, and weld seams.

Generates model-linked, auto-updating weldment cut lists in drawings for workshop material prep.



Let's Try CrownCAD



Learn More (English website): www.crowncad.com/en

Free Trial (English Version): global.crowncad.com/

Sales Inquiries: global@crowncad.com

Technical Support: support@crowncad.com

Your success is our success!

HOTEAMSOFT

Let's Build the Future Together!

www.crowncad.com/en/

