



ZWSOFT

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Reliable All-in-One CAx Solutions Provider

ZWVectorization Tool

The ZWVectorization Tool is designed to streamline the **one-click conversion** of **raster images to vector** format, enabling efficient reuse of raster data in CAD software.



Product Form

	Platform	Standalone
Version	ZWCAD 2025 (ZWCAD Pro/MFG)	ZWCAD 2025 (ZWCAD Pro/MFG)
Features	- Image Vectorization (Max. image resolution: 2048*2048) - Vectorization Configuration Settings (Text vectorization configuration not included) - Vectorization Result Correction	- Image Vectorization (Maximum image resolution: 20000*20000) - Text Vectorization - Vectorization Configuration Settings - Vectorization Result Correction
Duration	Lifetime	1 Year / 3 Years (5-day trial period)
Fee	Free	(€ 99) (€ 199)
Installation	Included with the Platform	Standalone Installation



Product Overview

Product Overview

01

Raster Image Vectorization

- Image Vectorization
- Text Vectorization

02

Vectorization Configuration Settings

- Parameter Configuration Manager
- General Parameters
- Fitting Parameters
- OCR Parameters

03

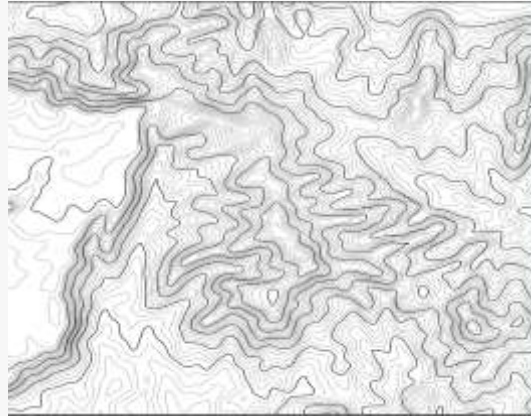
Vectorization Result Correction

- Merge
- Break
- Connect

Raster Image Vectorization

Image Vectorization

Convert the selected objects in the raster image to vector graphics



Text Vectorization

Recognize the text in the image to convert it into CAD single-line text

Descriptions

1. This drawing is based on the relative coordinate system, and the origin is located in the intersection of the centerline of Fees Island and road, ancillary buildings positioned relative to the main building and the specific size is as the figure shows
2. This vertical elevation uses the Yellow Sea system and the unit is meter
3. This drawing should be used in conjunction with other drawings
4. This drawing are in units of m
5. The entrance and exit is vertical with the building

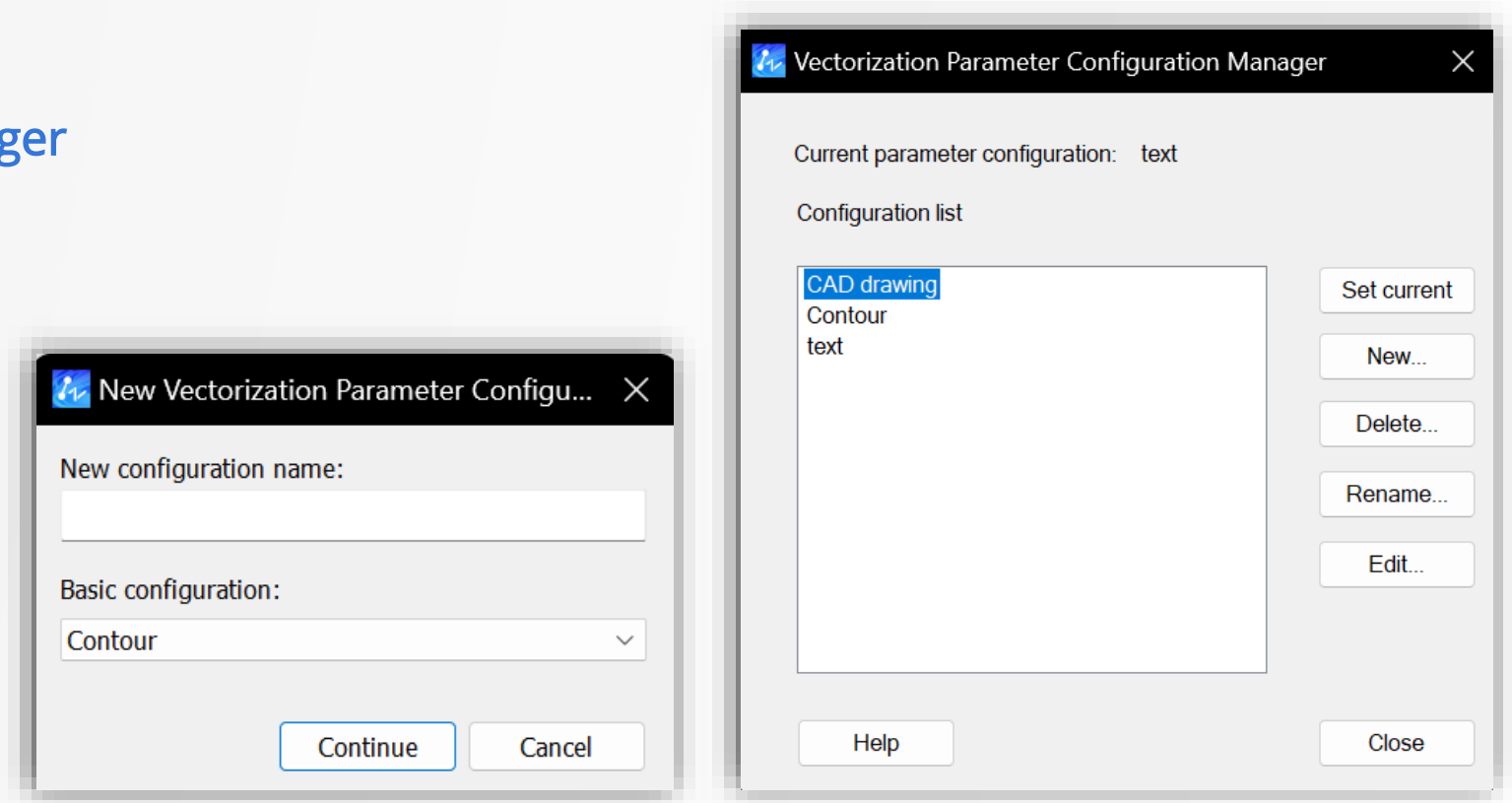
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Vectorization Configuration Settings

Parameter Configuration Manager

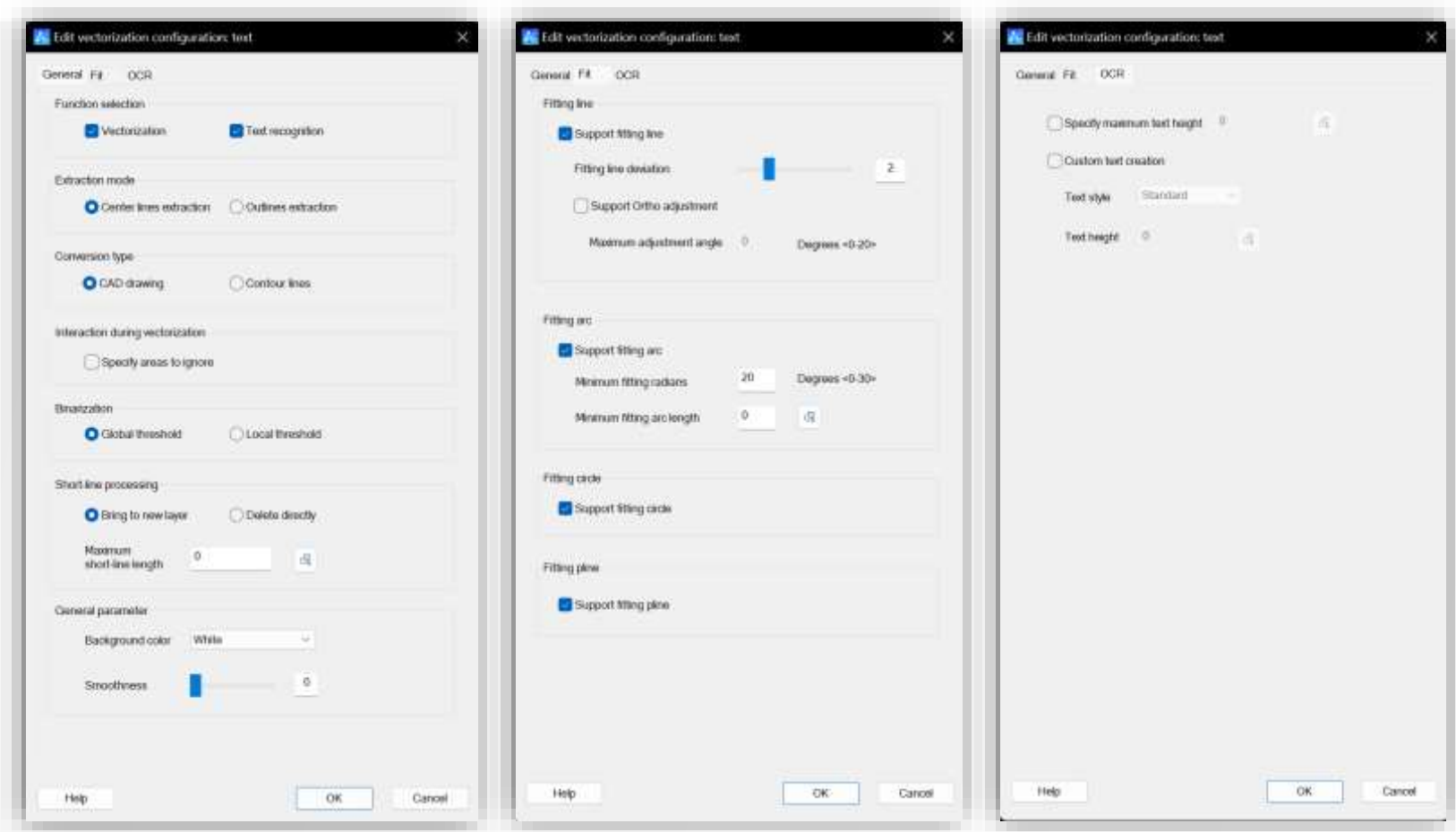
Manage vectorization settings, including creating, editing, renaming, and deleting vectorization configurations.



Vectorization Configuration Settings

Edit Vectorization Parameter Configuration

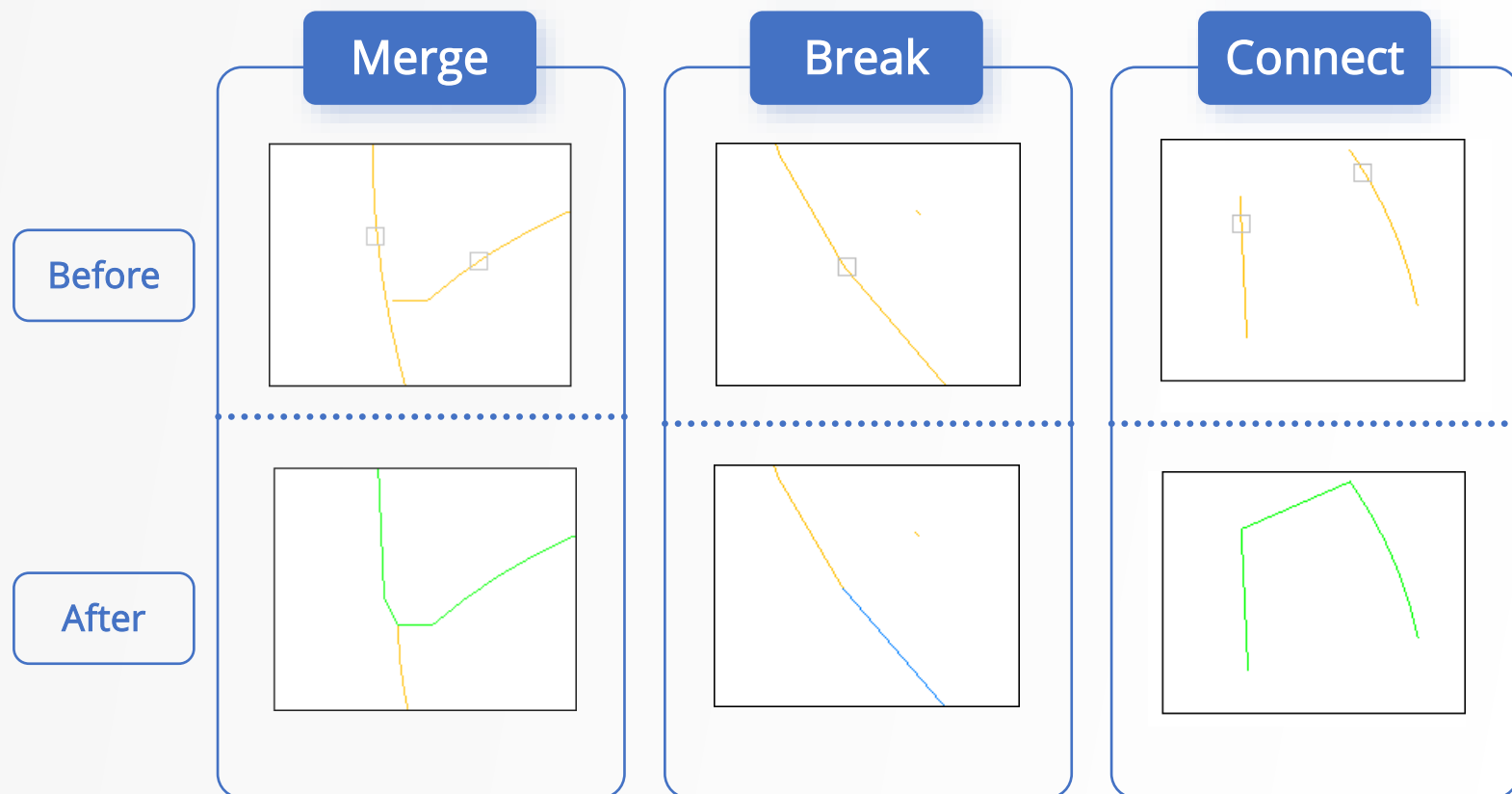
- General Parameters
- Fitting Parameters
- OCR Parameters



Vectorization Result Correction

Vectorization Result Correction

Supports revising entities created during the most recent automatic vectorization of raster images, including merge, break, and connect operations.





Value Points

Value Points

Reduce Costs

Automation reduces the reliance on professional drafters, thereby reducing labor costs. At the same time, the acceleration of processing speed also reduces the time cost of projects.

Improve Efficiency

By automating or semi-automating the conversion of raster images to vector format, the tool significantly increases the efficiency of design and drawing. Designers no longer need to manually redraw images, saving a lot of time and effort.



Preservation and Utilization of Historical Materials

For companies with a large number of historical hand-drawn drawings, vectorization tools can help them digitize these valuable materials for easy preservation, updating and archiving.

Improve Drawing Quality

The quality of vectorized drawings is usually higher because they can represent graphics and lines more accurately, reducing errors introduced by manual drawing.



Customer Application Scenarios

Applicable industry characteristics



Historical hand-drawn paper drawings

The company has a large number of historical hand-drawn drawings, which need to be updated in the future.

Scanned copies of drawings

Upstream suppliers only provide clients with scanned copies of the drawings, and clients need to convert them into DWG format for editing.

Convert Hand-Drawn Drafts to DWG Format

Designers need to convert hand-drawn design drafts into DWG format drawings.

Table Recognition

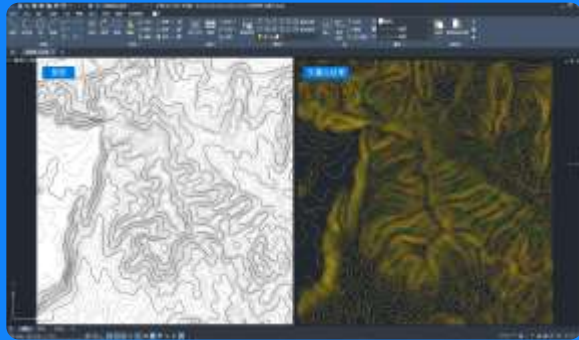
Identification and archiving of title block information and BOM data.

Applicable industry

Survey and Design

Application Scenarios:

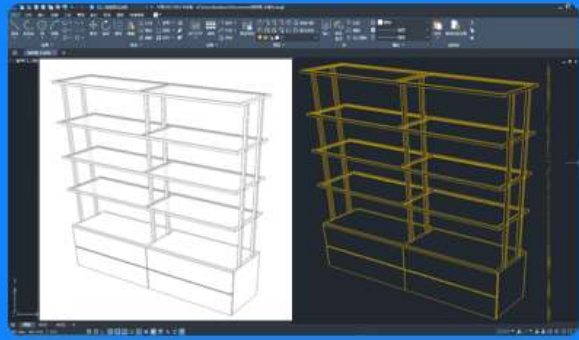
- Contour Identification.
- Text Recognition.
- Setting up graphic elements on different layers.



Interior Design

Application Scenarios:

- Recognition of axonometric drawings based on SU model graphics.
- Identification based on PDF plan graphics



Advertising Industry

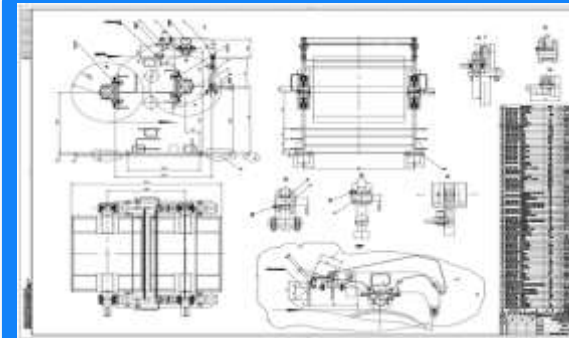
Application Scenarios:

- Recognize text.
- Recognize graphic contours..



Construction Machinery

- Extracting tag information.
- Extracting BOM information



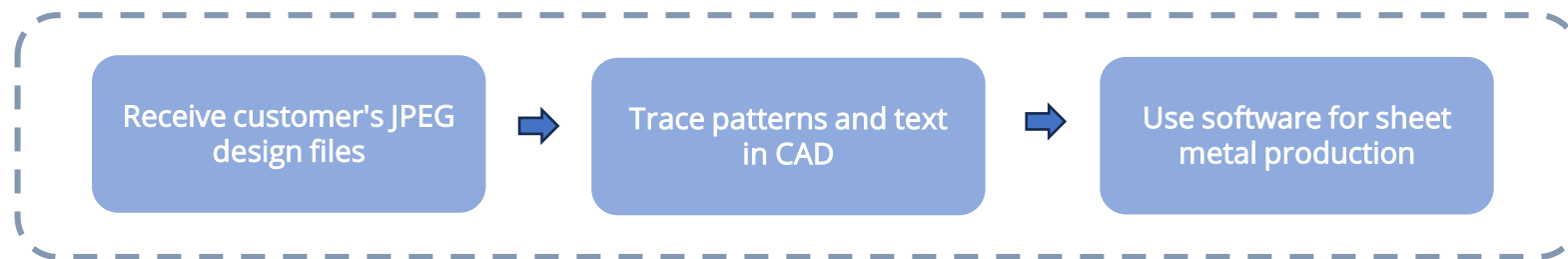
Customer Case

Company A



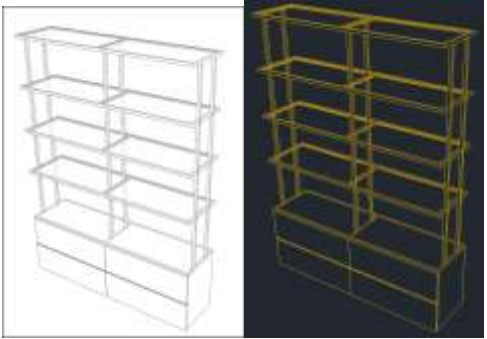
Sign and Placard Design and Manufacturing.

Product Workflow



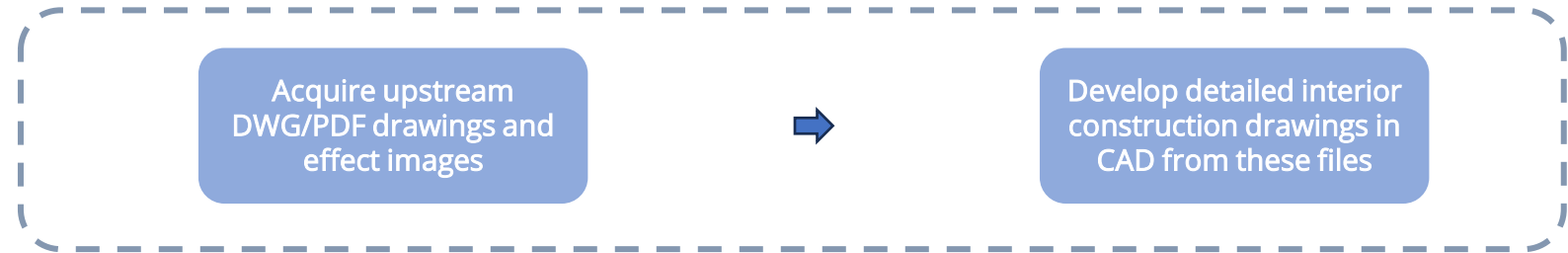
Customer Case

Company B



Interior Design and Furniture Design.

Interior Design Workflow



Furniture Design Workflow

