VP HybridCAD®

RASTER AND VECTOR UNITED

V8

Products and Specifications

For 15 Years the No.1 in Raster -Vector Technology

softelec
ALWAYS AHEAD

VP HybridCAD®
RASTER AND VECTOR UNITED

VPlite

Strong on Small Formats:
- Black & White
- Auto-Vectorization up to A2 (C Size)
- Advanced Correction Tools

VPraster edit

Entry Level HybridCAD:
- Black&White and Color
- Hybrid Editing with Basic Functionality
- Automatic Clean-Up

VPraster

100% Hybrid Power:
- Black&White and Color
- Complete Hybrid Editing
- Direct LF Scanner Support
- Custom Commands/Scripts

VPstudio mono

High-End on Monochrome:
- Black&White
- Full Functionality
- Auto-Vectorization
- Custom Commands/Scripts

VPstudio

High-End HybridCAD:
- Black&White and Color
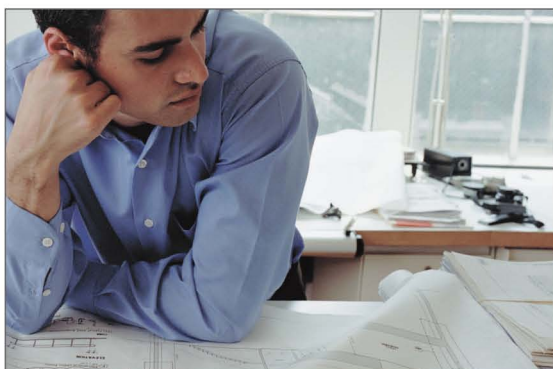- Full Functionality
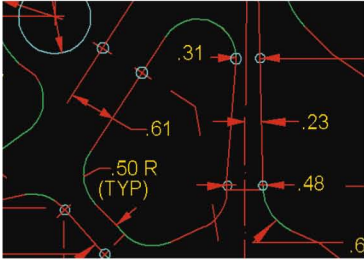- Auto-Vectorization
- Custom Commands/Scripts

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VPHybridCAD - Productivity with Ease

Itõs that easy and efficient to employ digital processing and editing on your scanned drawings: with only a few clicks of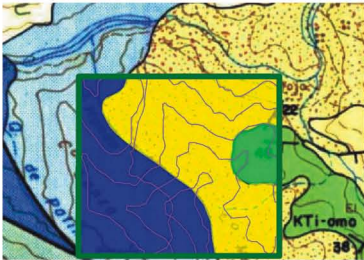 your mouse VPHybridCAD will do the job. VPHybridCAD enables you to make quick changes, corrections, or conversions on technical drawings, drafts, and sketches. No matter the original paper size of your documents is. And, finally, you will be able to exploit the true value of your drawing archives Ð while increasing your organizationÕs productivity with ease.

You are well aware of the high expenditures for redrawing your legacy drawings? This is why thousands of designers, architects, and drafting specialists in construction or technical documentation rely on VPHybridCAD in a vast number of application fields.
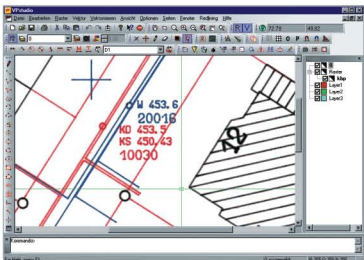
Vectorization: Fast and Accurate

B/W or Color: No Limitations

Functionality: Unbeatable
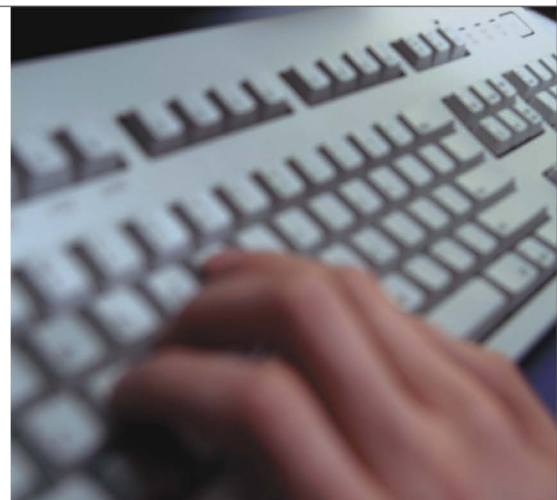
"RASTER AND VECTOR UNITED!"

In a truly unique manner VPHybridCAD software combines advanced functionality of two different user worlds: CAD and image processing, vector and raster . Operations formerly realizable only by using various single software programs have been integrated seamlessly in VPHybridCAD. This superior technology offers new application possibilities you may have never thought of before. T ake full advantage of the information contained in your scanned drawings and in all other similar documents. Plus, you can use VPHybridCAD in a network or in single mode, inside AutoCAD/AutoCAD L T or stand-alone.

Expanding AutoCAD With RasterDWG

VPHybridCAD products provide a concurrent operation with AutoCAD and AutoCAD LT. AutoCAD users can utilize familiar commands to access both raster and vector data simulta - neously, thus overcoming previous slower methods.

The entirely compatible RasterDWG format expands AutoCAD's standard DWG to a universal hybrid data format. The raster data is combined with the AutoCAD vector data and saved to a single RasterDWG hybrid file. This helpful option eliminates broken image file links usually associated with AutoCAD. RasterDWG guarantees straight distribution of hybrid drawings among collaboration partners and across the Internet.

By the way: With all VPHybridCAD products you can make your choice whether you want to run them inside your AutoCAD or AutoCAD LT - or if you prefer stand-alone operation. There are no extra costs! You simply specify your individual working plat- form of your VPHybridCAD product.

Raster like CAD: Stunning

CAD to TIF: No Losses

Scan and Clean-Up: Only 2 Minutes

VPHybridCAD: Make Paper Content Smart

With stunning tools and functions VPHybridCAD software not only improves the quality of your scans, but it also provides a direct and intelligent access to control the content of your scanned drawings. To suit your requirements best VPHybridCAD offers five different and specialized products. You can choose from the entry level VPraster edit up to the all-inclusive hybrid and conversion suite VPstudio. Your application will define the product choice:

- You mainly want to process black&white drawings Đ or colored documents, too?

- You are looking for software tools designed for quick drawing revisions or corrections which are truly easy-to-use?

- You need to delete certain details, then conveniently change or replace elements, dimensions, or text?

- You are planning to use reliable and speedy conversion of your drawings into CAD format?

- You wish to store your CAD drawings in TIF files without loss of information?

VPHybridCAD always provides a professional and efficient solution for these and other needs.

VPHybridCAD is especially designed for these application fields:

- **Mechanical Construction**

- **Plant Engineering**

- **Building Construction**

- **Civil Engineering, Facility Management**

- **Energy Supplies**

- **Infrastructure Planning**

V8

Specifications

**All Products can operate under:
AutoCAD/AutoCAD LT and
Stand-Alone on Windows**

	VPlite	VPstudio mono	VPraster edit	VPraster	VPstudio
Raster Format Size					
Up to DIN A2 ("C") @ 300 DPI, 16,000 x 16,000 Pixels, Max. Total: 36 Million Pixels	■				
Unlimited		■	■	■	■
General Features Available with All Products					
TWAIN Support for Generic Scanners (Direct Large Format Scanner Interface see below)	■	■	■	■	■
Extensive Hybrid Editing and Plotting (Raster and Vector)	■	■	■	■	■
Automatic Raster Cleanup (B/W and Color)	■	■	■	■	■
Full Set of CAD Drawing Functions	■	■	■	■	■
Intelligent Object Snap (Raster and Vector)	■	■	■	■	■
Multipage TIF Support	■	■	■	■	■
Enhanced Hybrid Editing					
Extended Raster Selection	■	■		■	■
Text Editing (Raster and Vector)	■	■		■	■
Multiline Text (MText)		■		■	■
Combine/Clean/Trim Functions for Entities (Raster and Vector)	■	■		■	■
Raster Morphology: Thickening/Thinning of Lines, Opening/Closing of Areas (B/W and Color)		■		■	■
Rubber Sheeting: Multi-Point, 4-Point	■	■		■	■
Extensive Split, Merge Functions		■		■	■
Blocks with Attributes (Raster/Vector/Hybrid)	■	■		■	■
Raster Table Recognition (B/W and Color)		■		■	■
Dimensioning (Raster and Vector)		■		■	■
Color and Gray Scale Management					
Automatic Color Cleanup				■	■
Palette Transformation, Color Separation, Binarization				■	■
Automatic/Interactive Color Reduction				■	■
Adjustable Resampling Methods				■	■
Automatic Raster-to-Vector Conversion					
Centerline, Outline (Contour), and Mixed Vectorization, Vectorization Wizard for Easy Settings	■	■			■
Recognition of CAD Entities, Hatches, Text (OCR)	■	■			■
Entity/Line Type/Line Width Classification (Layering)	■	■			■
Symbol Recognition	■	■			■
Interactive Tracing/Line Following					
CAD Entity Tracing	■	■		■	■
Contour Lines/Polylines Tracing	■	■		■	■
Special Features					
Direct Large Format Scanner Interface (Colortrac, Contex, GTCO, Océ, Vidar, Xerox)		■		■	■
Rasterizing (DXF to TIF, DWG to TIF, etc.)	■	■		■	■
Customizable User Commands		■		■	■
Annotations and Mark-Ups (Redlining)[2]		■		■	■
Symbol Library Manager	■	■		■	■
Batch Processing		■		■	■
Extensive Multipage-TIF Management[2]		■		■	■
Import Formats					
Raster: TIF (uncompressed, Group3, Group4, LZW, Packbits), CALS Group 4 (GP4, CAL, CG4, IG4, C4-EDMICS), Intergraph (CRL, RLE, CIT), RLC, PCX, BMP, JPG, GIF, and more[1]	■	■	■	■	■
Vector: DXF, DWG, and more[1]	■	■	■	■	■
Hybrid (Raster & Vector): RVD, VCF, CGM, RasterDWG/RDWG	■	■	■	■	■
Export Formats					
Raster: TIF (uncompressed, Group 4), NIF, CALS Group 4 (GP4, CAL, CG4, C4) RLC, Intergraph (CRL, RLE, CIT), PCX, BMP, JPG, GIF, and more[1]	■	■	■	■	■
Vector: DXF, DWG, IGES, DGN, and more[1]	■	■	■	■	■
Hybrid (Raster and Vector): RVD, CGM, RasterDWG/RDWG	■	■	■	■	■
Operating System Environment					
Windows 2000, XP (Stand-Alone)	■	■	■	■	■
AutoCAD 2000(i), 2002, 2004, 2005, 2006 (integrated AutoCAD Application)	■	■	■	■	■
AutoCAD LT 2000(i), 2002, 2004, 2005 (integrated AutoCAD LT Application)	■	■	■	■	■

1 For Detailed and Updated List Check www.softelec.com   2 Not Available with AutoCAD/AutoCAD LT