HP AI Vectorization

Reduce drafting time by up to 80% with the industry's first cloud-based AI vectorization tool built on real drawings[1,2]

Vectorize documents and get editable CAD files with just one click

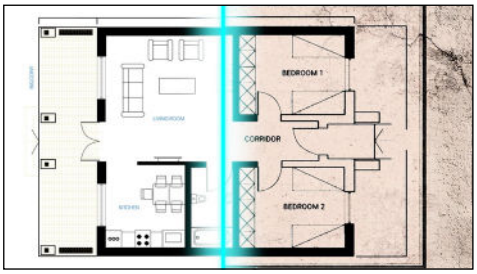
The laborious process of manually drafting existing drawings is an enormous time and energy drain for architects and construction professionals, diverting valuable resources from creative and strategic endeavors.

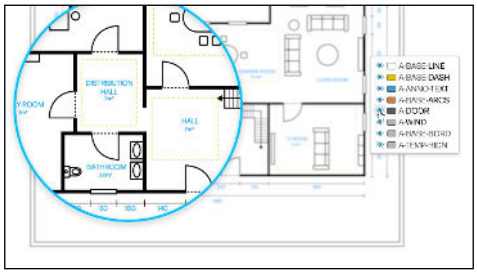
Existing digitization methods often yield inaccurate interpretations of crucial architectural elements, while outsourcing brings concerns regarding cost, time, and data privacy.

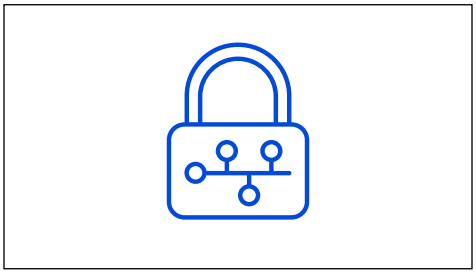
But a powerful shift is underway. HP AI Vectorization offers a huge leap forward in speeding up vectorization, transforming documents into accurate, easily editable CAD-ready vector drawings on a secure cloud-based platform.

HP AI Vectorization

Transform raster images into CAD files in minutes, freeing up valuable time for architects, engineers and construction professionals.







Speed up vectorization with the power of HP AI

Boost your design workflow with a multi-layered HP AI engine trained on construction plans, reducing errors and minimizing drafting time.

Accelerate the drafting process by identifying architectural elements—like doors, windows, text, and dashes—with HP AI-powered object recognition.

Restore aged and degraded drawings with HP AI-powered cleanup and resolution enhancement.

Get accurate, easily editable files

Evaluate and edit the vectorized document quickly with built-in viewer and editor.

Segment complex drawings with intelligent layer separation for an easy drafting experience.

Reference the original drawing using initial image underlay.

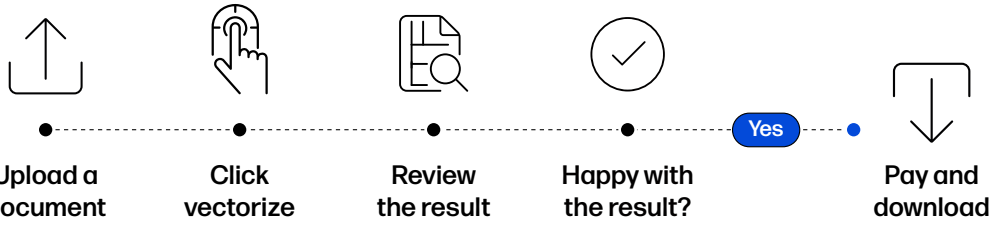
Simplify and secure workflows

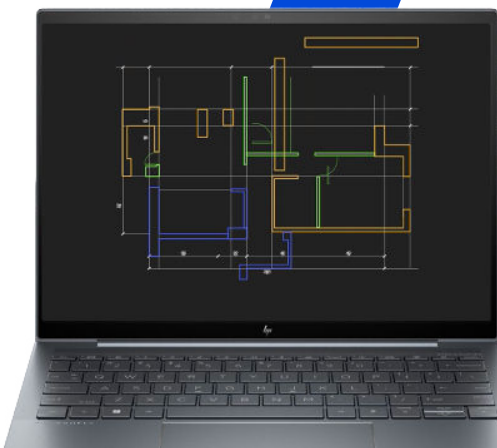
Automate repetitive tasks, transforming images into vectorized files in minutes.

Vectorize files virtually anytime, anywhere using HP's secure cloud-based platform.

Work securely—HP protects your data with trusted cybersecurity protocols, including AES 256 encryption and ISO/IEC 27001:2013.

Only pay for the vectorized files you download





HP Build Workspace

HP AI Vectorization is hosted on HP Build Workspace, a cloud platform that automates manual tasks, centralizes project data, and enhances collaboration for architects, engineers and construction professionals.

For over 30 years, HP DesignJets have been the go-to-printers for architects and construction professionals to create, collaborate, and build. We're taking the next step forward with HP Build Workspace, a powerful digital platform designed to automate tasks, like vectorization, and simplify collaboration and communication between architects, contractors, and their clients.

Save hours of work with HP AI-powered automation

Reduce drafting time by up to 80%[1] with HP AI Vectorization: one click transforms a document into an editable CAD file in minutes.

Automatically generate field reports with site observations including notes and exact locations.

Centralize all project data with a single source of truth

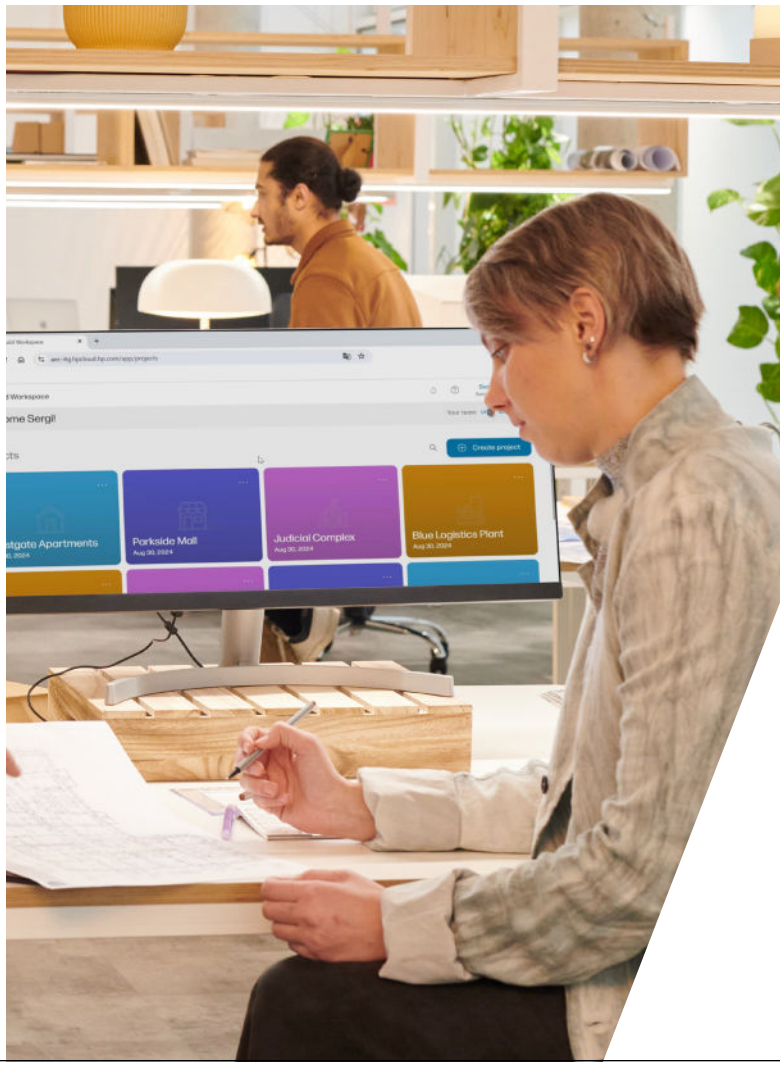
Give stakeholders access to updated project information anytime, anywhere.

Enjoy real-time file sharing with a centralized workspace.

Keep everyone on the same page with the latest project developments, updates, and reports consolidated in one place.

Move faster with seamless collaboration

Easily share drawings with team members and stakeholders.



Ready to Get started?

Talk to your HP authorized partner

1. HP Build Workspace, the first solution to offer cloud-based AI Vectorization to convert raster drawings into working CAD files, specifically designed for architects. AutoCAD is a software program not owned by HP, HP AI Vectorization and HP Build Workspace don't include any license to AutoCAD.
2. HP's internal evaluations estimate time savings based on pilot studies using over 1,000 customer drawings. The comparison measures drafting effort with the solution versus manual drafting. Actual savings may vary due to factors like drawing complexity and image quality.

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