



SWAPP
radical redesign of architectural design & planning

est. 2019
TEL AVIV
LONDON
NEW YORK
TEXAS



**Less is
more.**

Automate manual design and planning
process to increase productivity and profits.

SWAPP for Hines

Our Leadership.



Eitan Tsarfati - CEO
Licensed Architect
CmyCasa (acq. Autodesk)
/Founder
Autodesk
/IL CEO & US Executive



Noam Gat - CTO
IDF 8200 Alumnus
15+ years of driving
Big Data E2E solutions
Tacticsoft
/CTO



Adi Shavit - CSO
20+ years CV, ML & AI teams
Autodesk
/Sr. Principal Engineer
TVTak (acq. NantWorks)
/Founder



Jodi Joseph Asiag - VP Marketing
Otonomo (Nasdaq: OTMO)
Allot (Nasdaq: ALLT)
Amdocs (Nasdaq: DOX)



Lior Oz - Senior PM & Head of Architecture
Licensed Architect
Handel Architects, NYC
1100 Architects, NYC

Our Advisory Board.



Amar Hanspal
Bright Machines
/CEO
AutoDesk, Inc
/CEO



Peter Alden
Knowde
/Head of Commercial
CBRE
/SVP
Cushman & Wakefield
/VP



Michael Piotrkowski
MEP Executive
Truebeck Construction
DPR Construction
Apple



\$8.5M
raised

30+
employees

50+
projects

20M+
square feet planned

3 & Growing
global offices

“
In the modern world
Architecture
should be AI-driven.
”

BY LEVERAGING AI AND DATA, SWAPP IS LEADING A REVOLUTION IN ARCHITECTURAL DESIGN AND PLANNING.

Our unique combination of technology and human touch delivers a comprehensive architectural and planning solution with data-driven speed and precision. We are redefining the property analysis, design, visualization, and the different planning phases across the architectural process and by extension the AEC (Architectural, Engineering and Construction) ecosystem. By automating the many cumbersome and manual architectural and planning processes, SWAPP radically increases productivity and profitability for real estate developers, architects, general contractors, and other stakeholders.

Our comprehensive platform provides the perfect mix of design, sustainability, and technology to deliver at efficiency levels unheard of within the real estate industry. We create multiple options, undertake site and building-code analysis, and tailor the outputs, which include feasibility studies, construction documents, 3D visualizations, energy and environmental impact analysis to the customer needs all with the click of a mouse, no specialist knowledge or additional software necessary.

Hines, Common Desk, Intel, Willmot Dixon, municipalities like Tel Aviv-Yafo and others have already benefited from SWAPP's advanced optimization and planning services. Our clients, based in Israel, the United States and the United Kingdom, report that partnering with SWAPP has resulted in significant savings in time, labor, energy, and building resources. They have integrated our technologies and services for multi-family buildings, offices, educational institutions, urban planning, and hospitality design.

SWAPP's solutions cover the diverse needs of real estate developers throughout the various stages of the architectural process. They range from urban design, end-2-end architectural planning within our unique 1-Click Building™ platform, detailed feasibility studies with sustainability analyses including optimized energy model interior design including optimized testfits, 3D renderings and 360 walkthroughs, comprehensive construction documents, optimization solution for parking, and more.

To learn more about SWAPP, please visit www.swapp.net.



Residential, Texas
Designed by SWAPP

Architectural design and planning needs a **redesign**.

SWAPP is focused on eliminating many of the time-consuming tasks that bog down the design and planning processes.

Our platform can streamline and improve the design, sustainability, efficiency and profits of real estate development that features repetitive units, adherence to design rules and multiple projects.

SWAPP has reduced labor costs and time wasted on repetitive drawings and meetings clients building offices, multifamily homes, logistic centers and educational facilities.

01 Automate Architect Hours

Traditionally, labor hours reflect 85-90% of architecture costs, resulting low project margins. Utilizing its proprietary automation technology, SWAPP effectively eliminates many of the repetitive drawing and quality assurance tasks currently integral to the process.

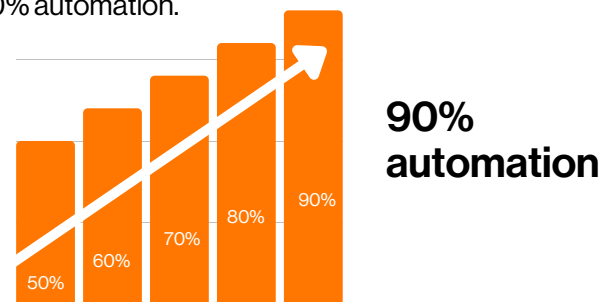
Project Margins

- 7.5% without Swapp
- 60% with Swapp

02 SWAPP AI Learns Customer Needs

The SWAPP proprietary AI technology learns the customer preferences and requirements.

Hines and Common Desk projects started at 50% automation and 50% manual. Today, they reached 90% automation.



03 Eliminate Back & Forth Meetings

Traditionally, change requests have been handled via numerous phone/video calls and physical meetings. SWAPP's "what you see is what you get" editor, lets customers to update designs in a click.

04 Increase Project Load

SWAPP empowers architects and developers to accelerate deliveries and profitability - this enables growth and expansion.

How Architects Benefit from SWAPP

Sole practitioners as well as small and large firms can radically increase efficiency and profitability



Boost firm profitability

SWAPP frees you from the tedious work of creating an endless number of drawing sheets. Automating feasibility studies, design and construction documents allows you to significantly reduce project durations and lets you focus on what you love most: Architectural Planning.

Execute more projects with the same amount of staff

SWAPP is a smart platform that continuously learns your 'office style'. This means the SWAPP AI-models learn from each project in order to automate design processes. This enables less staff to produce more and delight your clients with faster response times.

Don't lag behind - embrace innovation and technology

The SWAPP team, composed of architects and former Autodesk developers, is primed to be your technology partner. As you leverage our platform, you are also leveraging our vast collective knowledge of BIM tools and architectural processes. Take full advantage of SWAPP to improve your design and planning methodologies and become more efficient.

Office Building, Texas
Designed by SWAPP



Swapp Sustainability Interface

In 2021, the building and construction sector accounted for **~39%** of the process-related carbon dioxide emissions.

11% of which was caused by the industrial manufacturing of building materials like glass, steel and cement.

We help architects and real estate developers ensure their buildings can achieve high performance levels - even before construction begins. SWAPP replaces hundreds of hours of sustainability consultations and simulations, with just a few clicks.

Project leaders can quickly input a select set of parameters, which the SWAPP platform uses to create a baseline model to accurately estimates expected energy consumption and carbon emission rates. It is just as easy to simulate the impact of upgrading HVAC systems and exterior elements. This can help developers project time to ROI when factoring capital costs versus expected annual savings for projects focused on solar panels (PV potential), higher-grade windows and the like.

Integral to SWAPP's platform is an extensive and growing set of sustainability tools, which currently includes:

District Feasibility Studies

- Solar Exposure
- Right of Light
- Wind Studies

Net Zero Approach

- Increase energy efficiency
- Building decarbonization
- Renewables

Cost Effectiveness

- Financial and ROI analysis

Code Compliance

- LEED certification check
- Compliance status analysis

Carbon Life Cycle Assessment

- Embodied carbon reduction



Optimized Parking stalls to prevent underground excavation

Intel's original Haifa site plans called for 15% of a new parking structure to include a rainwater infiltration area. SWAPP's sustainability simulator delivered multiple alternative plans focusing on reducing costs, increasing parking stalls and meeting local regulations.

- multiple, optimized alternatives, in days
- avoided excavation of an additional underground floor
- protected the aquifer from invasive drilling
- projected \$2,550,000 in savings

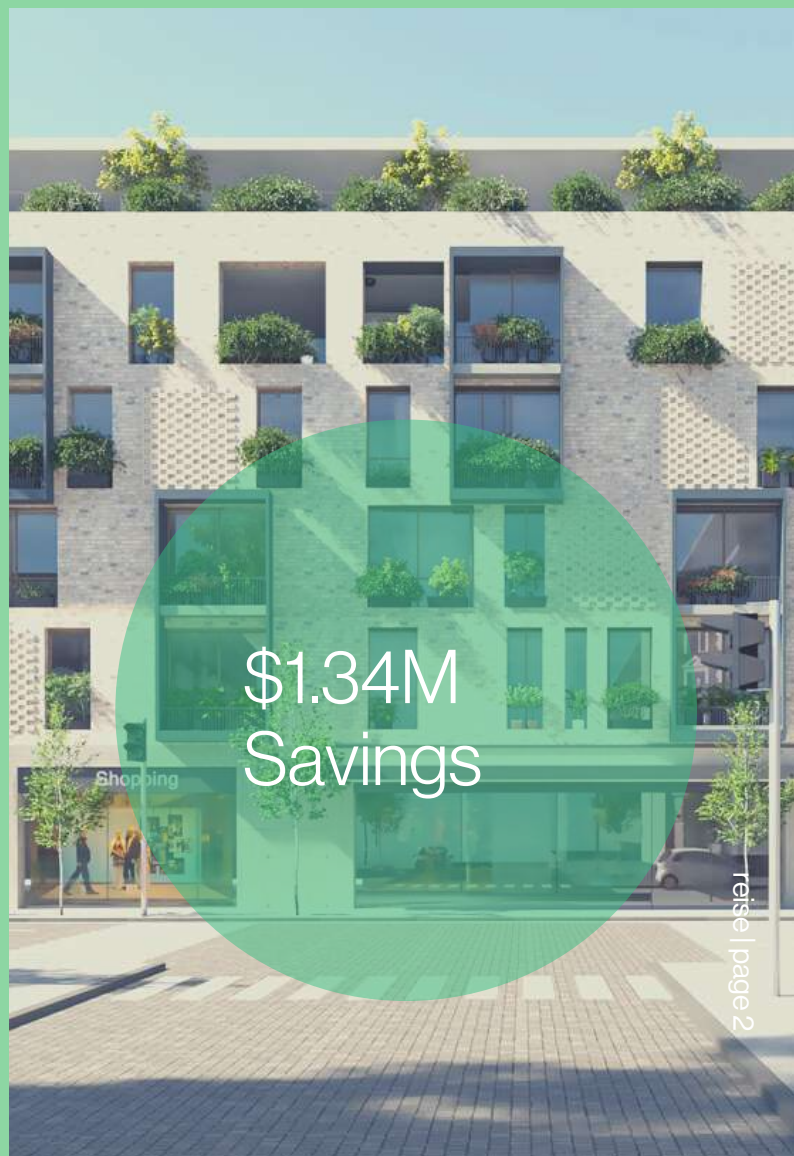
Automated Calculation of Heat Loads

HARRIS San Jose wanted to ensure that their latest multifamily project was high performance in terms of energy consumption and cost.

- multiple, optimized alternatives, in days
- avoided excavation of an additional underground floor
- protected the aquifer from invasive drilling
- projected \$2,550,000 in savings



\$2.55M
25,000 Sq. Ft.
Savings



\$1.34M
Savings

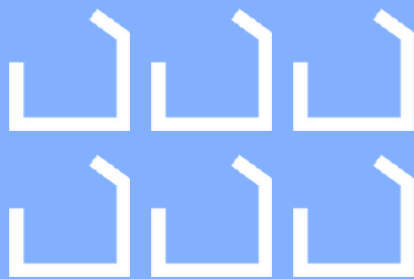
“SWAPP showed world-class designs and proved \$1.34 million of savings using its AI technology. SWAPP developed highly automated load and energy modeling calculations to save time and money for our customers.”



Harris
John Gergory Williams
VP, Design Studio



What our partners
say about us.



“SWAPP’s service has been invaluable for Hines as we continue to optimize flexible space design for future office locations and prepare for substantial growth of our portfolio.”



Hines
Annie Rinker
Director

Partial Partner & Client List



“SWAPP has already significantly shortened for us various stages of the design process. We are excited to partner with them and reach the full potential of design automation!”



Willmott Dixon
Andrew Gamben
Project Manager

Hello.

To learn more about SWAPP,
please contact us at: info@swapp.net



Check out this
3 minute video.

