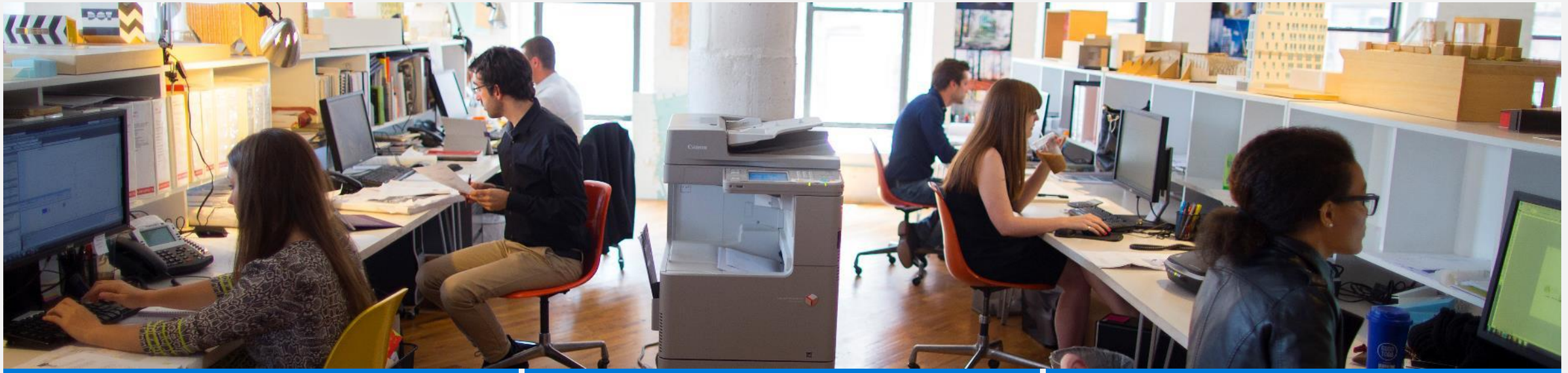
Microsoft

Surface for Architects

Transforming the design and construction administration workflow

Architecture and Building Management Industry Landscape



Rapid prototyping & design-to-build speed

The speed with which we move from project inception, design, construction, and building management is ever increasing.

Cost Efficiency Pressure

A paper centric, travel intensive workflow forces careful budget management.

Mobile Workforce

Associates and Principles alike are constantly in transition from client meetings, design reviews in the office, and construction administration for remote projects

The Device Dilemma

I **want** a tablet

I **need** a PC

Surface for Architects

Collaborative Design

With the Client

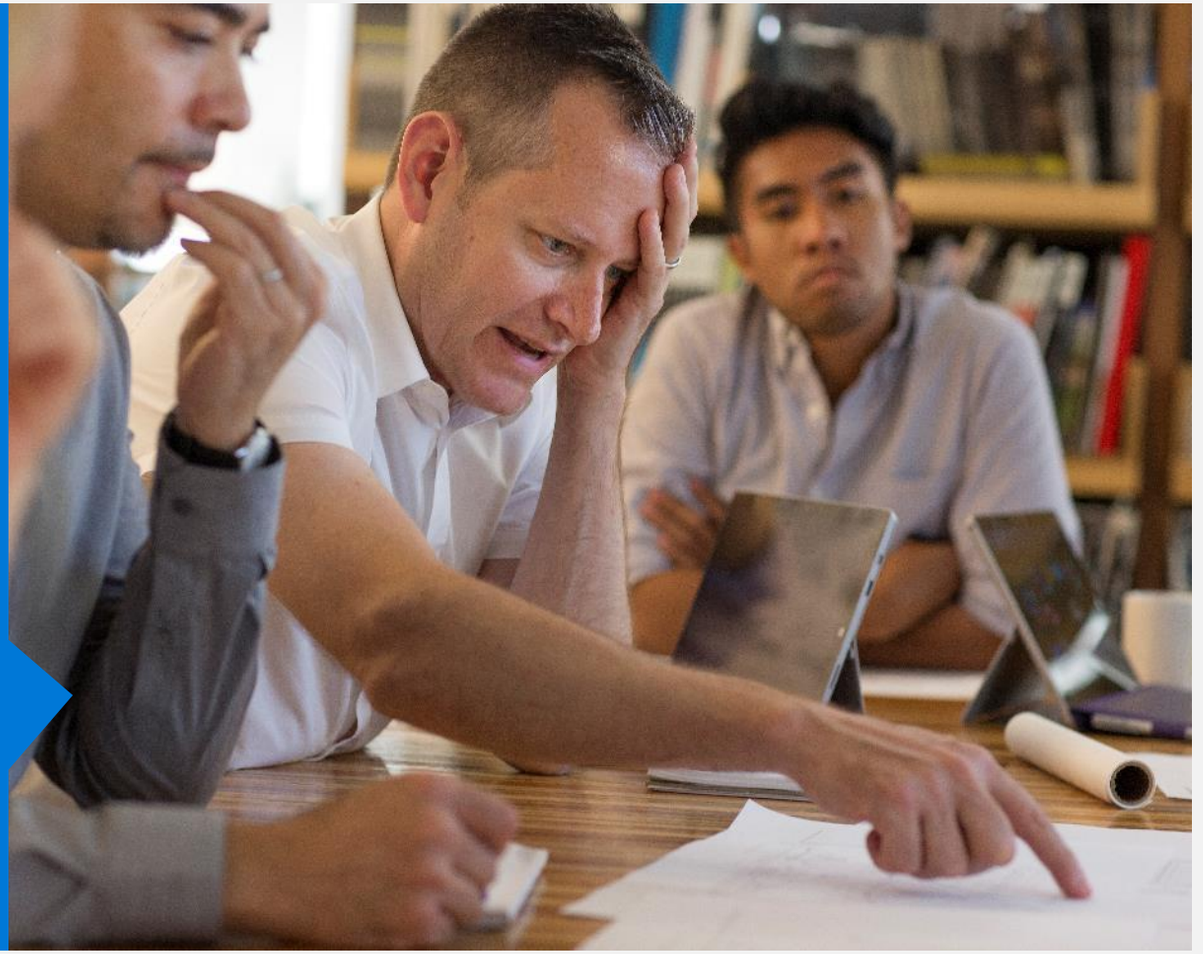
At the Job Site

Collaborative Design

Powerful modeling and rendering tools in digital workflows

A mobile computing device small enough to carry, yet powerful enough to handle demanding tasks enables even greater workflow efficiencies

Use the programs you know and trust: Adobe's Creative Cloud, Autodesk's AutoCAD, Rhino, Dassault's Katia 3DS, and more



With the Client

Surface Pro 3 seamlessly transitions from office to job site

Never lose access to project source files

Make changes directly with the client using mouse, keyboard, or pen input

All of the project files, sketches, schematics, and notes are at hand

At the Job Site

Access to real-time information - full fidelity models and plans

Lightweight, portable with long battery life

No need for large format schematics in meetings & Construction Administration

Easy PDF document annotation with Surface Pen

HD Cameras for documentation

Business Ready

Durable

Durable casing, impact-resistant glass, and lightweight design help Surface stand up to the wear and tear of business. Optional click-in keyboards double as protective covers.

Surface uses Windows Defender to protect against malware and viruses. BitLocker technology, TPM, UEFI, and Secure Boot help keep your Surface Pro safe and secure.

Secure

Manage

Set compliance policies using device management tools like Windows Intune. Surface Pro supports System Center Configuration Manager (SCCM) and PXE Boot & MDM

Tablet Meets Laptop

Built-in Multi-Position Kickstand
– Flexibility to work comfortably, even on your laptop

Touch and Type covers – Double as keyboards
for a more traditional typing experience

Stylus and pen – natural writing experience
for note taking, drawing, or document revisions

Docking Station, Display Ports and USB 3.0
– connect to the devices and files you need

[1]Covers sold separately. Colors vary by market.
[2]Adapter sold separately

Programs & Apps You Know and Trust

Collaboration

Office 365 skype Lync Yammer

Windows desktop apps

Ps Ai Id CATIA AUTODESK REVIT AUTODESK AUTOCAD 2014 Rhinoceros

Touch business apps

Customer Stories

SHoP Architects &
SHoP Construction

SHoP Architects & Construction

Situation

SHoP Architects was founded in 1996, SHoP Construction was founded in 2007

Both companies work closely together, extending their knowledge base and capacity for construction management, BIM/VDC and building envelope consulting

Challenge

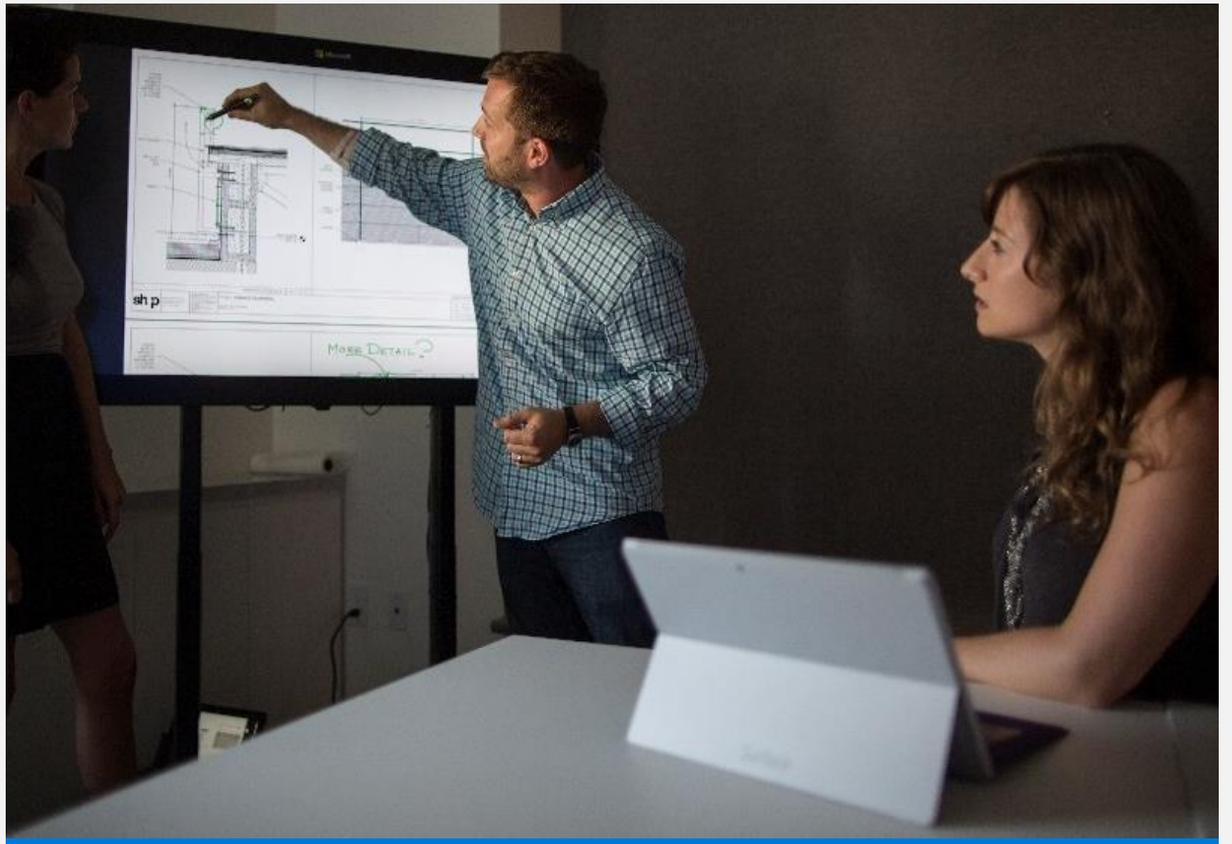
SHoP utilizes the same digital models from early design reviews to construction administration meetings

This process results in very complex digital models that encompass a lot of building, design, and infrastructure details

Benefits

Combination of touch-screen, keyboard and mouse input, Surface performs seamlessly during advanced parametric modeling and scripting

AutoCAD drafting, on-site fabrication coordination, and construction coordination in the field



"I think the most important thing about technology is it's not about letting the tools control you for us whats amazing is that surface allows to really be more creative and more collaborative."

Christopher Sharples, AIA
Principle - SHoP Architects

LTL Architects:
Lewis.Tsurumaki.Lewis

LTL Architects: Lewis.Tsurumaki.Lewis

Situation

Lewis.Tsurumaki.Lewis is a design intensive architecture firm founded in 1997

LTL Architects is a leading firm with an understanding of DeafSPACE Principles

Challenge

LTL Architect's workflow is grounded in collaborative design

Throughout the day sub-teams at the firm gather in the conference room to pour over plans and models to brainstorm, sketch, and problem solve together

Benefits

Associates and Principal alike are able to seamlessly transition from the desk workstations, where Surface is docked to meetings in the conference room

The active stylus enables document annotation in Bluebeam Revue as well as markup of project plans and models

"Surface presents for architects a refined balance between agility and power. Surface meets–in a single, lightweight device –our mobile demands, while retaining the ability to engage complex programs and software demanded by the profession."

David J. Lewis, AIA
Principle - LTL Architects

nARCHITECTS

nARCHITECTS

Situation

nARCHITECTS was founded in New York City by partners Eric Bunge and Mimi Hoang in 1999

The firm brings an open-ended approach to the design process based on clear diagrammatic thinking

nARCHITECTS is an office with 16 Associated and Principals that are constantly on the go

Challenge

Visiting large scale construction sites requires 15+ pounds in paper meeting notes, sketches, plans, and schedules

Traveling from the home office to job sites across the United States results in lost productive time while not having access to the native files of the AutoCAD and Rhino models that are essential to projects

Benefits

Surface Pro 2 and Surface Pro 3 has enabled nARCHITECTS to seamlessly transition from the office to the job site

"It's great to know that I now have AutoCAD and Rhino in my bag at all times - the Surface is light and thin enough to not really worry about whether I have it on me."

Eric Bunge, AIA
Principle - nARCHITECTS

Architecture & Urbanism: Only If

Architecture & Urbanism: Only If

Situation

Only If is a New York-based design practice for architecture and urbanism

Founded in 2013 by former OMA associate, Adam Snow Frampton

Only If is currently focused on growing its client and project base

The practice is engaged in a range of projects, from the design of a single-family housing prototype to larger-scale urban planning and research

Challenge

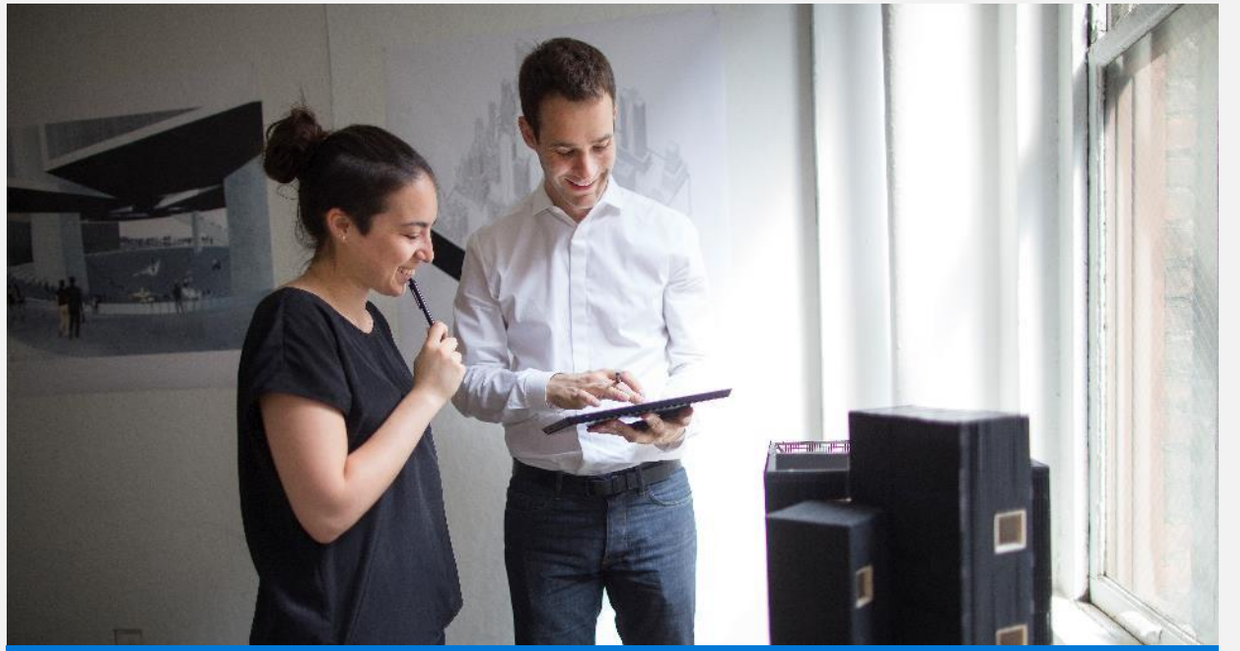
The key challenge of a new office demands flexibility and cost conscious choices

This is an environment in which a small team is simultaneously working on a variety of projects

Benefits

Surface Pro enables the team to seamlessly transition from working at their workstation with an external display to field visits

The team uses AutoCAD and Rhino during site visits where they review native file models and annotate PDFs of floor plans and schematics



"The Surface has allowed us to incorporate sketching and hand-drawn annotations into the applications we normally run on desktop computers. This is not only more efficient, it allows us to integrate our analog and digital production, positively impacting the look and feel of our office's work."

Adam Frampton, AIA
Principle – Only If

Microsoft

Surface

Get Productive.

Microsoft

Surface

© 2014 Microsoft Corporation. All rights reserved. Microsoft, Windows, Windows Vista and other product names are or may be registered trademarks and/or trademarks in the U.S. and/or other countries.
The information herein is for informational purposes only and represents the current view of Microsoft Corporation as of the date of this presentation. Because Microsoft must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information provided after the date of this presentation. MICROSOFT MAKES NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE INFORMATION IN THIS PRESENTATION.