Infill System products offer
- decision flexibility to developers
- choice to users
- adaptability over time

THUS - long-lasting real estate assets
Old buildings are being guided and re-fitted out.

A SUNTY Project Model

The market for INFILL companies and these products ISUS PRODUCTS SOLVE PROBLEMS in new construction.
...and in upgrading existing buildings
Infill System products support the second phase of 2-step development processes.
ISUS PRODUCTS SOLVE PROBLEMS in HANDLING PIPES (gray water, domestic water supply, gas)
The “upper system” of consumer electronics

The “lower system” solving piping/duct layout problems

Fitting into a serviced open space (in a new building or a gut-rehab job)
Matrix Tile System
Matrix tiles, “home-run” Pex piping, 0-slope gray water drain lines ("sucking system" with no branching or venting); covered by a fireproof floor layer.
HEPvO in the Matrix Tile

HEPvO waterless waste valve requires no secondary venting
New principles for utility systems

**OLD WAY**

Space-requirement

height of channel, raised floor or suspended ceiling

either or

**NEW WAY**

**Flexible fitting**

branching off or each appliance it's own duct

**New fitting techniques**

soldering or push and fit
ADVANTAGES

• for DEVELOPERS
1. Decision flexibility on floor plans and equipment
2. Reduced cost and time for customization
3. One-unit-at-a-time rehab
4. Improved sound isolation between floors

• for BUILDERS
1. Increased quality, coordination and cost control
2. No floor penetrations at fixtures
3. Easier maintenance (all plumbing is within a unit)
CableStud
the invisible solution to smart wiring
The “upper system” of consumer electronics

The “lower system” solving piping/duct layout problems

Fitting into a serviced open space (in a new building or a gut-rehab job)
The market for INFILL companies and these products is one that ISUS PRODUCTS SOLVE PROBLEMS in HANDLING WIRING.
MAXI-Strut
(3 5/8” studs)

MIDI-Strut
(2 1/2” studs)

MINI-Strut
(1 1/2” hat channels)

MICRO-Strut
(useful in wood-frame and with 7/8” hat channels)
CABLESTUD with backer plate for vinyl base
CABLESTUD wall types to meet all conditions

- Typical partition wall
- Liner wall against fire rated corridor wall
- Liner wall against exterior wall
- Liner walls on both sides of a unit separation wall
Delivery of metal studs with struts installed
Step 1: remove baseboard; cut a hole in the drywall for the new device in desired position.

Step 2: select NM wire you want to tap into; install MOLEX self-contained power connector.

Step 3: wire a “rework” box with NM cable and attach a MOLEX “tap” to the other end.

Step 4: insert junction box and drop cable into space behind the baseboard and snap into the Molex connector.

Step 5: push cable back into the space made available by the CableStud.

Step 5: reinstall the baseboard, and install the device in the junction box.

**CABLESTUD WIRING PROCESS using NM CABLE and MOLEX “self-contained connector and tap”**
Combining CableStud and Matrix Tile
ADVANTAGES

• for DEVELOPERS
1. Outlets anywhere, anytime
2. Labor savings when data and electric outlets are added or moved

• for BUILDERS
1. Simplified mobilization and coordination
2. More organized wiring layout – everyone knows where the wires are
3. Accessible and fast connections behind baseboard
SUMMARY:

• Key innovations are not about style but smart planning;

• Value is added initially in decision flexibility and better organized processes, saving money along the way;

• Value is also added over time – producing real estate assets with long term ROI, because they are easier to adjust to changing circumstances.