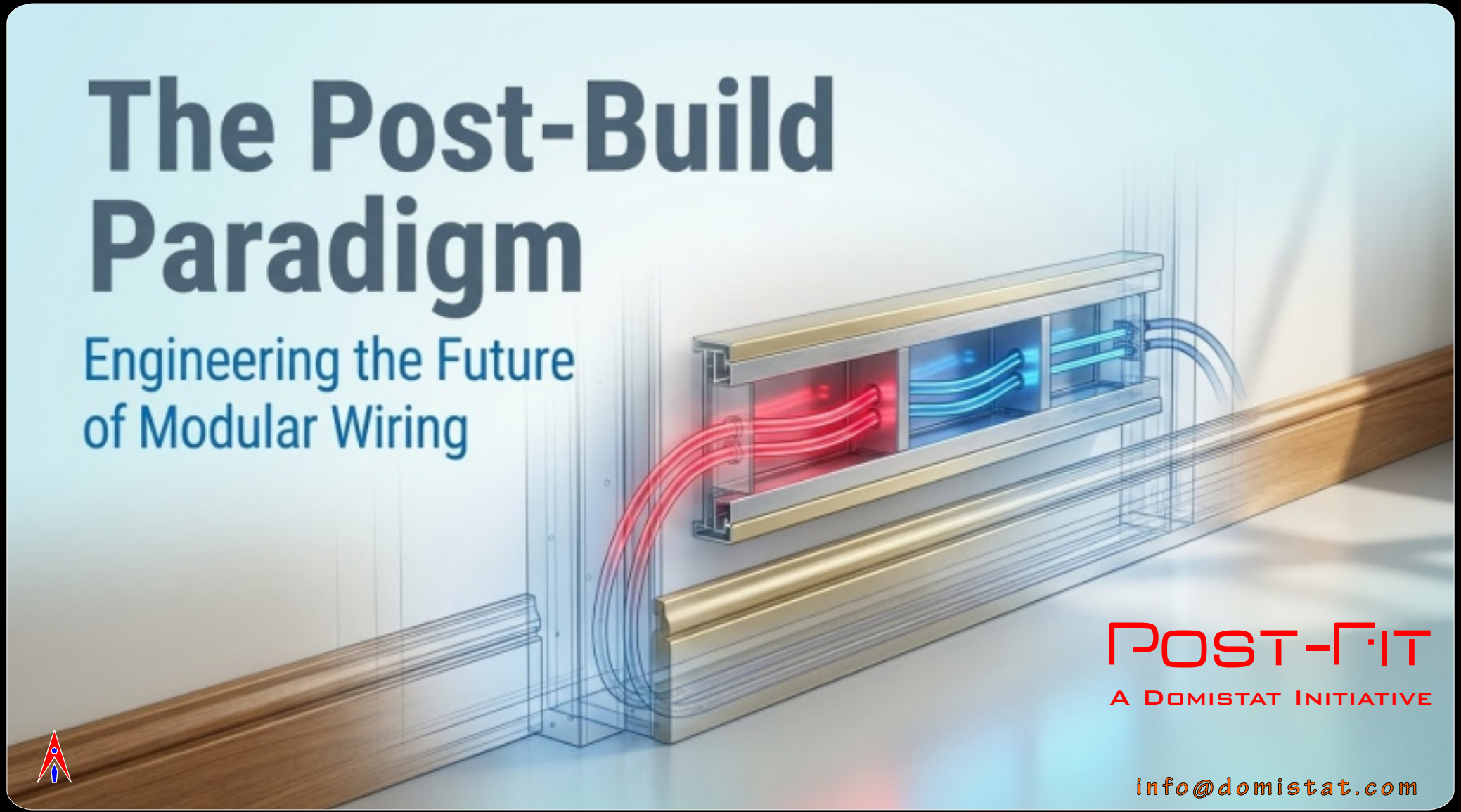
The Post-Build Paradigm

Engineering the Future of Modular Wiring



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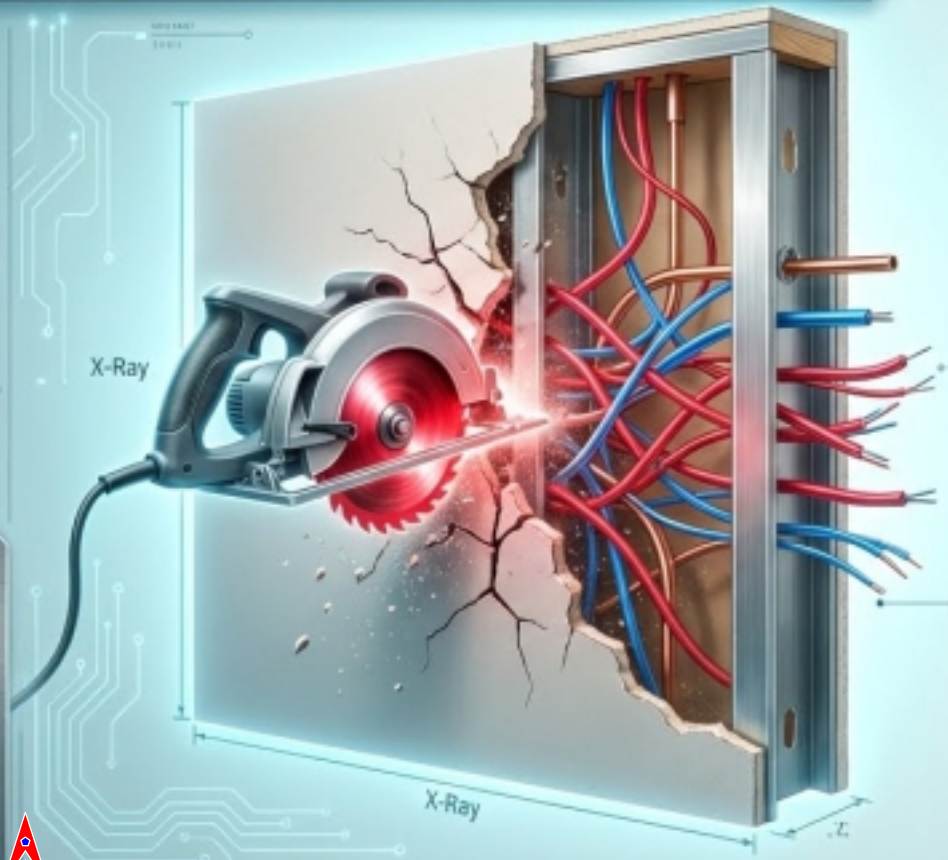
The Bottleneck of Traditional Wiring



Effect

Wall Cutting

Rough-in Wiring

Consumes 100% of standard allotted time

Patching/Finishing

In-wall wiring forces a multi-step sequence of cutting and patching that traps modular units on the factory floor and halts final assembly.

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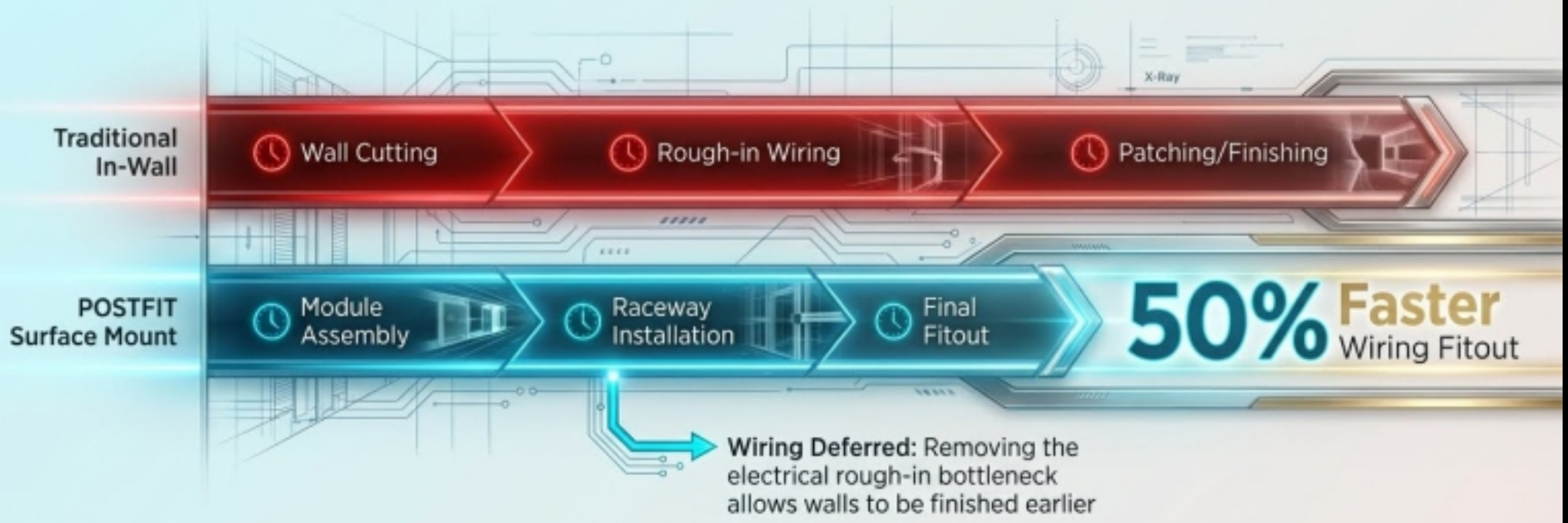
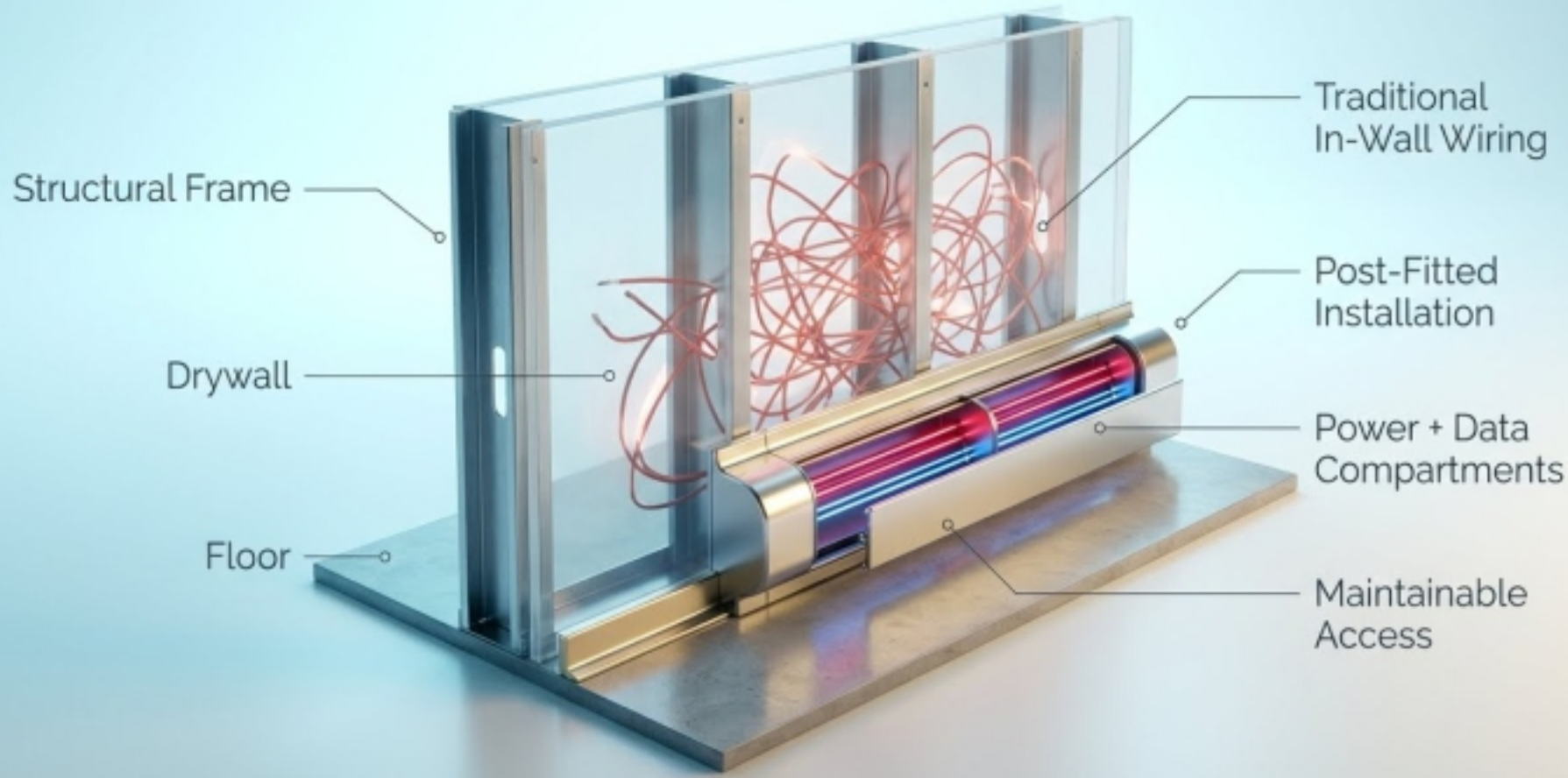
Accelerating Assembly by **Deferred Wiring**



System Architecture: The Post-Build Concept



Pillar 1: Uncompromising Code Compliance

NEC Adherence

Treated as the official wiring method under NEC standards for surface metal/nonmetallic raceways. Grounding & bonding per NEC Chapter 2. Conductor fill limited to maximum 40% cross-sectional area.

Physical Separation

Code-compliant multi-compartment barrier strictly dividing power and low-voltage.

Material Integrity

Fire-rated (UL 94 V-0 or equivalent), impact/corrosion-resistant, UV stable. Available in white PVC & galvanized steel.

Inspection Ready

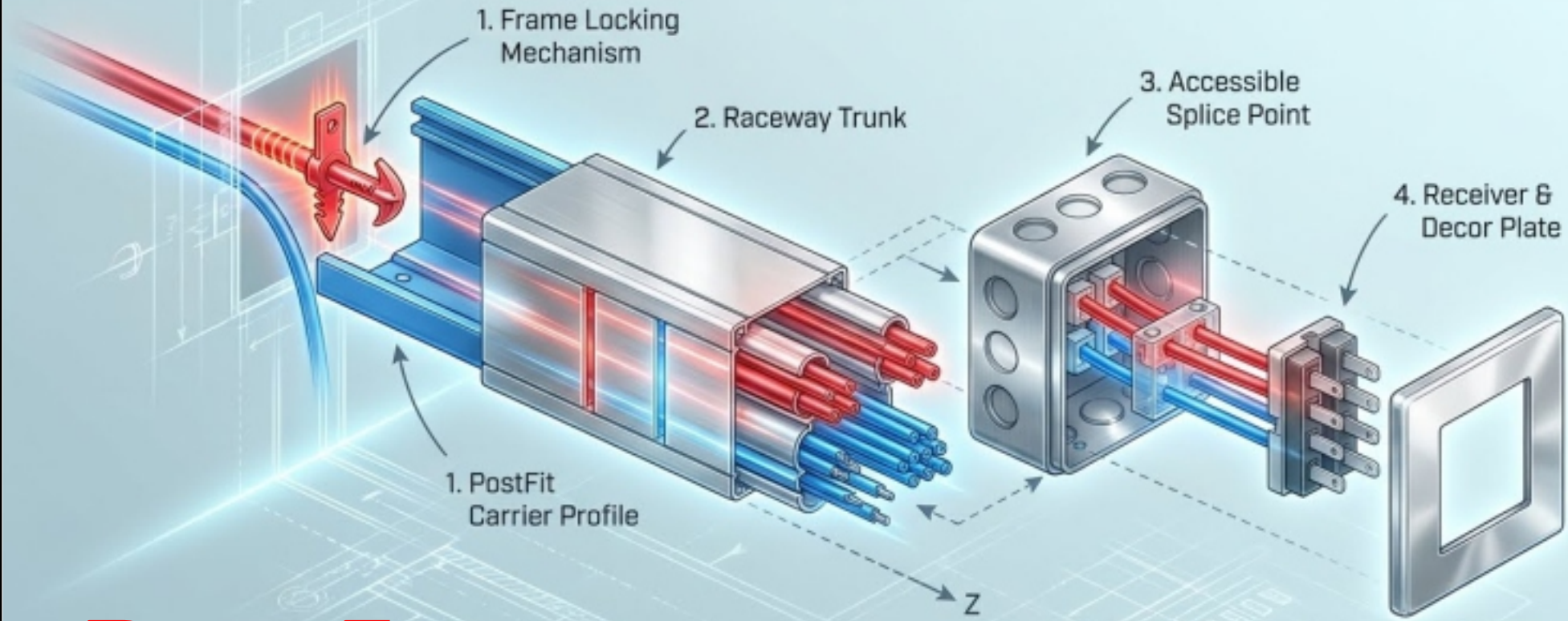
Designed for detailed shop drawings and third-party inspection/certification.

Pillar 2: Architectural Invisibility

Standard Flat **Rounded Bullnose** **Decorative Crown**

The system hides in plain sight. Architraves, skirting boards, and door trims now carry power and data, preserving architectural aesthetics while dropping building costs dramatically.

The Modular Ecosystem



Exploded Isometric View

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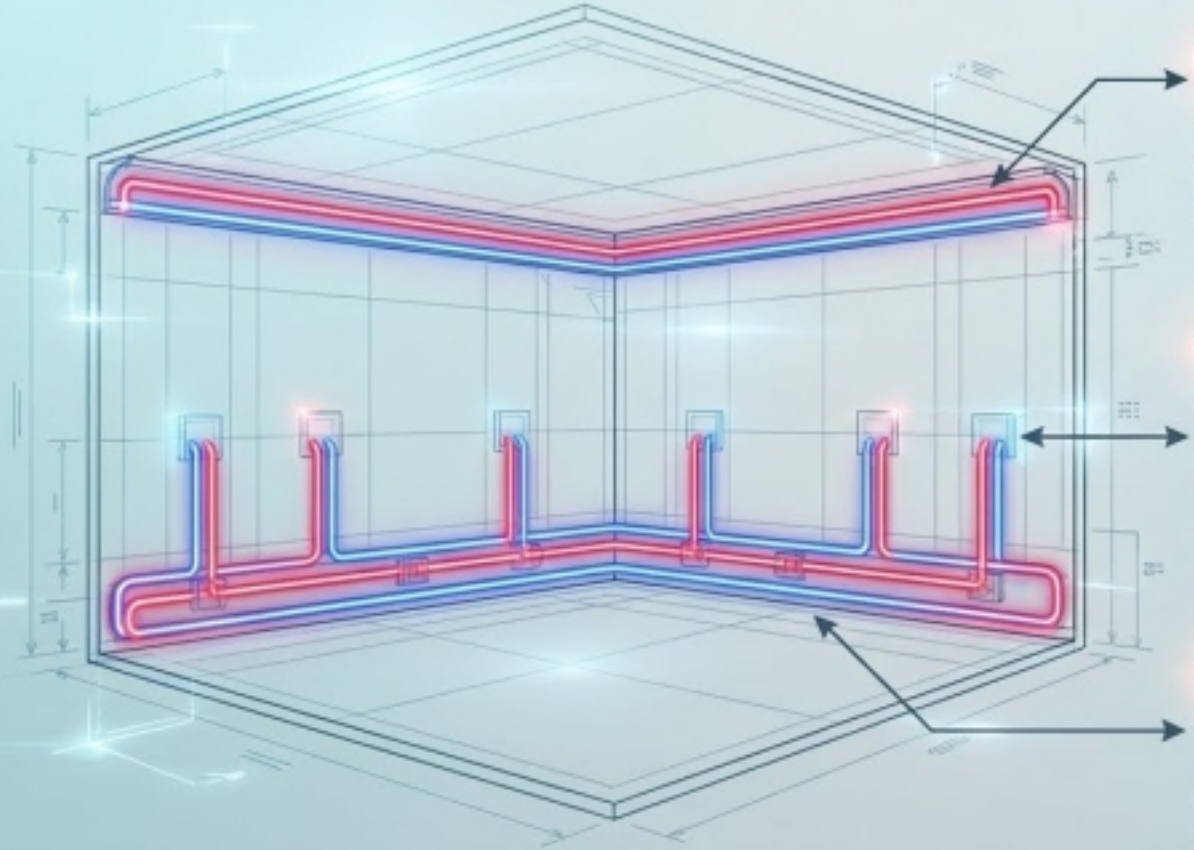
Spatial Routing Strategy



The Perimeter Zone (Ceiling Level)

Crown-molding-like raceways running along the ceiling corners to feed lighting circuits and ceiling fans.

Vertical Drops (Mid-Wall)

Short risers climbing the wall to reach standard 48-inch height for light switches, or tailored heights for TV locations/sconces.

The Power/Data Belt (Baseboard Level)

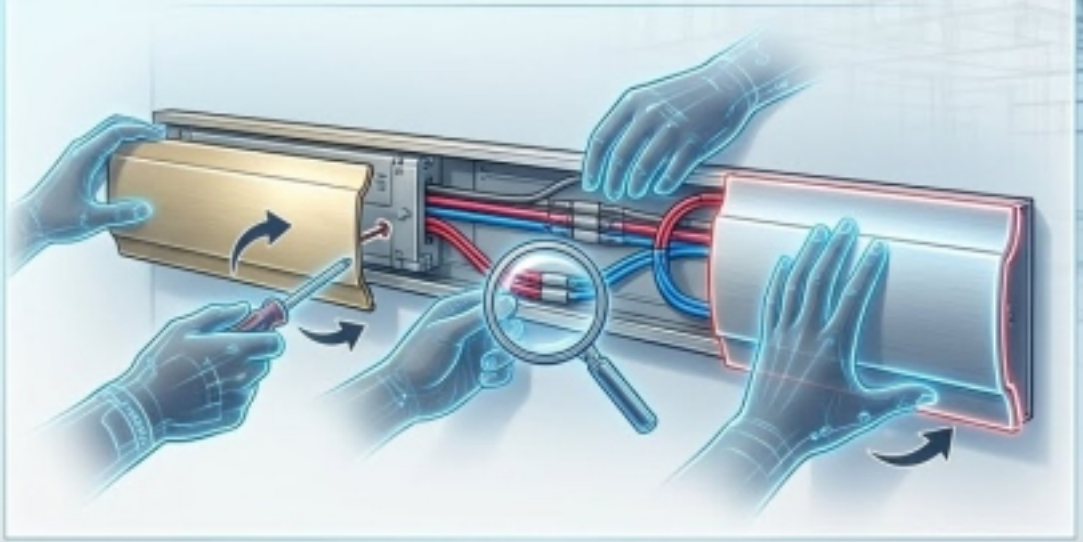
A continuous horizontal loop around the room. Receptacles placed in surface boxes every 6–8 ft.

Pillar 3: Maintainability & Future-Proofing

The Traditional Cost

Destructive Maintenance & Reconfiguration.

The POSTFIT Sequence



Step 1: Unscrew and detach the front module.

Step 2: Directly access visible, traceable splices and colored cables.

Step 3: Snap the curved fascia trim back into place.

Limitless reconfigurability allows extending circuits without wall demolition.

The Strategic Advantage Matrix

	Traditional In-Wall	POSTFIT Surface System
Time-to-Install	Bottlenecked (100% factory time)	Concurrent (50% faster fitout)
Maintenance Overhead	High (requires wall cutting & patching)	Zero-Damage (accessible pop-off panels)
Smart-Home / EV Readiness	Rigid (costly retrofits)	Dynamic (extend raceway network instantly)
Aesthetic Flexibility	Invisible but permanent	Architecturally integrated (Crown, Bullnose, Flat) with snap-in upgrades

The Core Advantages of Post-Build Architecture

1. Faster Installation

Drastically reduced factory labor and the elimination of complex, destructive on-site wiring.

2. Easy Maintenance

Complete transparency. All splices and connections are visible, traceable, and instantly accessible.

3. Limitless Reconfiguration

True future-proofing. Extend wiring anytime, adapting to smart-home needs without ever touching the drywall.

ENGINEERING A SMARTER, FASTER, AND MORE PROFITABLE BUILD FROM THE OUTSIDE IN.