

ENGINEERED FOR MODERN LIVING

SEAMLESS. INTELLIGENT. INTEGRATED.

World-class wired & wireless network solutions — designed, installed, and supported with absolute precision.

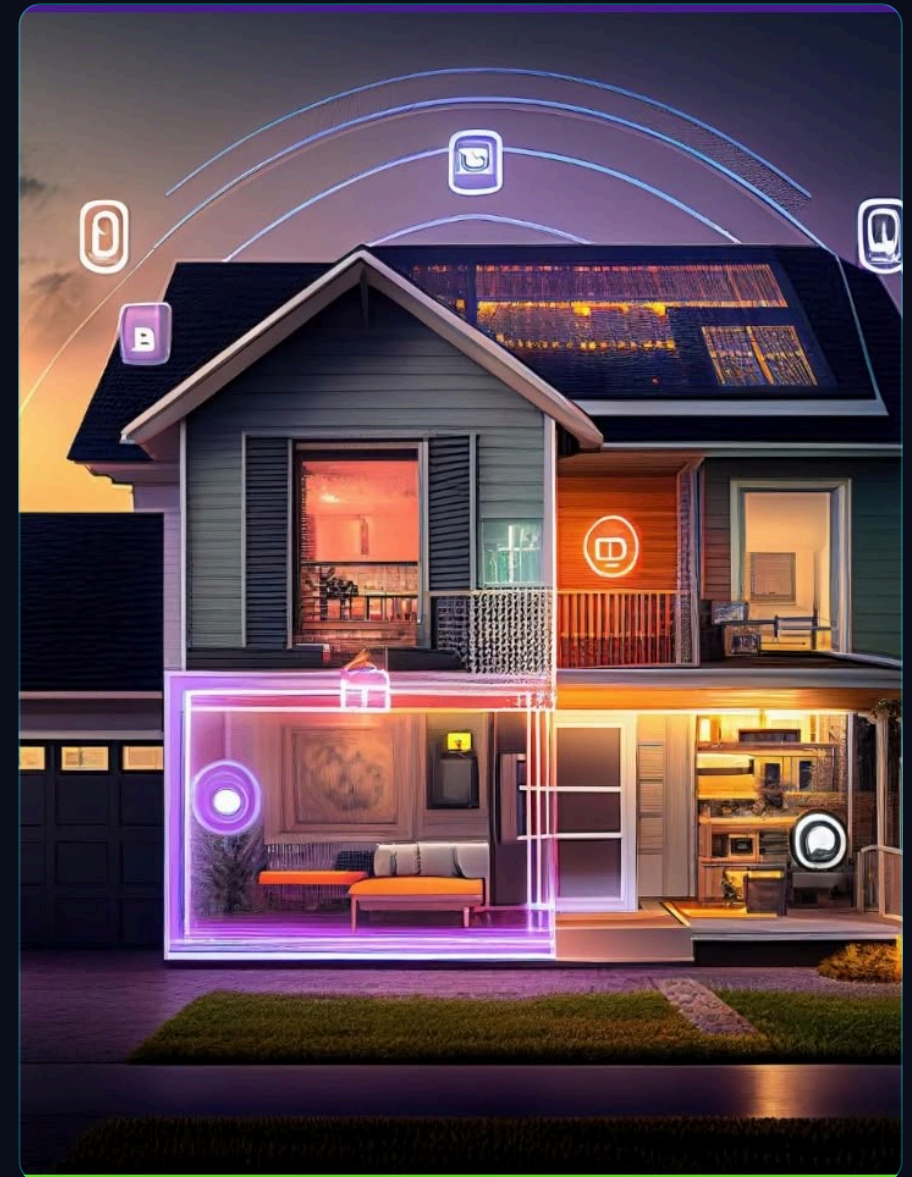
CONNECTIVITY IS THE NEW FOUNDATION

01 / INTRODUCTION

Every smart home, every productive workspace, and every modern business now depends on one invisible utility — a network that simply works. Streaming, video conferencing, smart devices, security systems, and cloud applications all share the same lifeline.

A reliable network is no longer a convenience. It is essential infrastructure. And like any infrastructure, it deserves to be designed and built by professionals.

At **PT. Tri Solusi Neo Optima**, we deliver networks engineered to perform flawlessly today and remain future-proof for years to come.



— BUILT TO LAST. BUILT TO PERFORM. BUILT BY PROFESSIONALS.

TIER 1 — TRADITIONAL SINGLE-ROUTER SETUP

02 / COMPARISON

ENTRY LEVEL

The starting point — suitable only for the smallest of homes.

STRENGTHS

- ✓ Lowest entry cost
- ✓ Quick plug-and-play installation
- ✓ Adequate for compact spaces under 10 connected devices

LIMITATIONS

- ✗ Performance degrades sharply beyond 10 devices
- ✗ No bandwidth or traffic management
- ✗ Frequent reboots and dropouts under load
- ✗ Insufficient IP capacity for modern smart-home ecosystems
- ✗ Cannot deliver speeds above 50 Mbps reliably across multiple floors
- ✗ Aesthetically dated — exposed antennas and consumer-grade housings



TIER 2 — CENTRALIZED MESH WI-FI

03 / COMPARISON

MID LEVEL

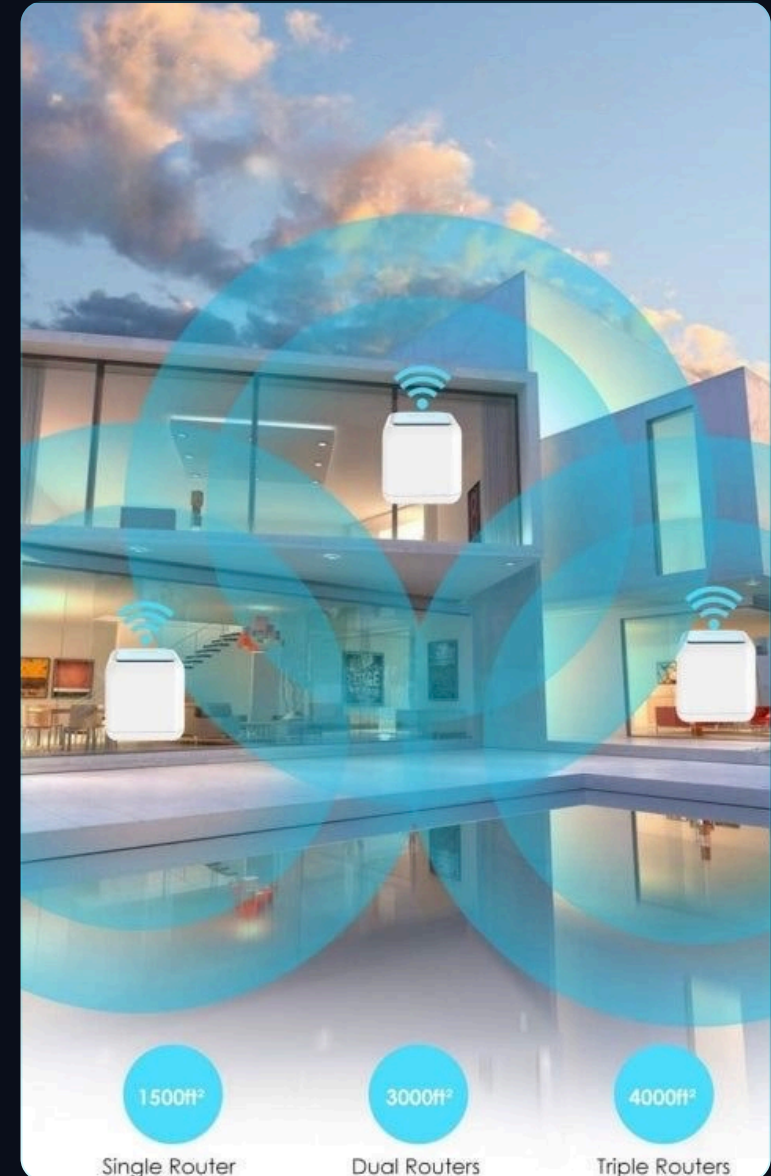
A step up — yet still bound by the limits of consumer hardware.

STRENGTHS

- ✓ Suited to mid-sized 2–3 bedroom homes and apartments
- ✓ Real-world speeds up to 100 Mbps
- ✓ Expandable up to six satellite nodes
- ✓ Comfortable for fewer than 30 devices

LIMITATIONS

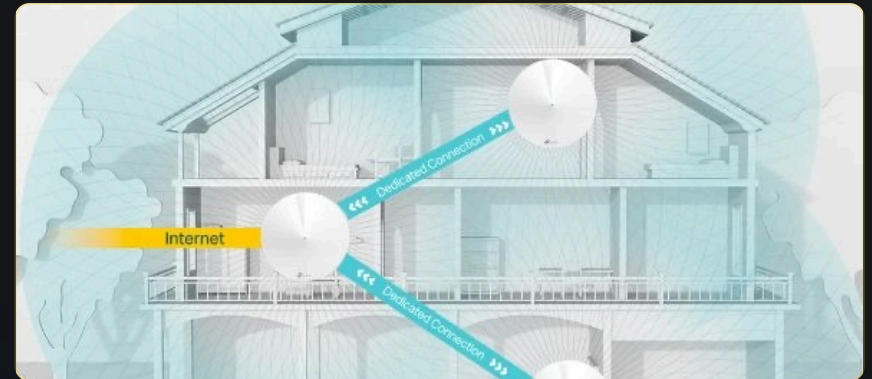
- ✗ Satellites communicate over shared Wi-Fi airtime — every additional node reduces overall throughput
- ✗ No bandwidth control or traffic prioritization
- ✗ Performance ceiling around 30 devices and 100 Mbps
- ✗ Periodic restarts when satellites lose sync with the main router
- ✗ Locked to a single brand and model — no flexibility
- ✗ Higher cost than Tier 1, with diminishing returns at scale



OUR FLAGSHIP SOLUTION.

Engineered, installed, and refined to absolute perfection.

A truly enterprise-grade network — purpose-built for residences and buildings that demand uncompromising reliability, performance, and longevity.



BUILT FOR SCALE

- ▶ From a mid-sized home to an entire multi-story building
- ▶ Up to 200 devices per access point
- ▶ Up to 3 ISP uplinks with automatic failover

BUILT FOR PERFORMANCE

- ▶ Centrally managed and monitored from one dashboard
- ▶ Multi-SSID — separate networks for family, guests, IoT, staff
- ▶ Bandwidth shaping, access control, VIP traffic priority
- ▶ Optimized signal coverage with zero dead zones

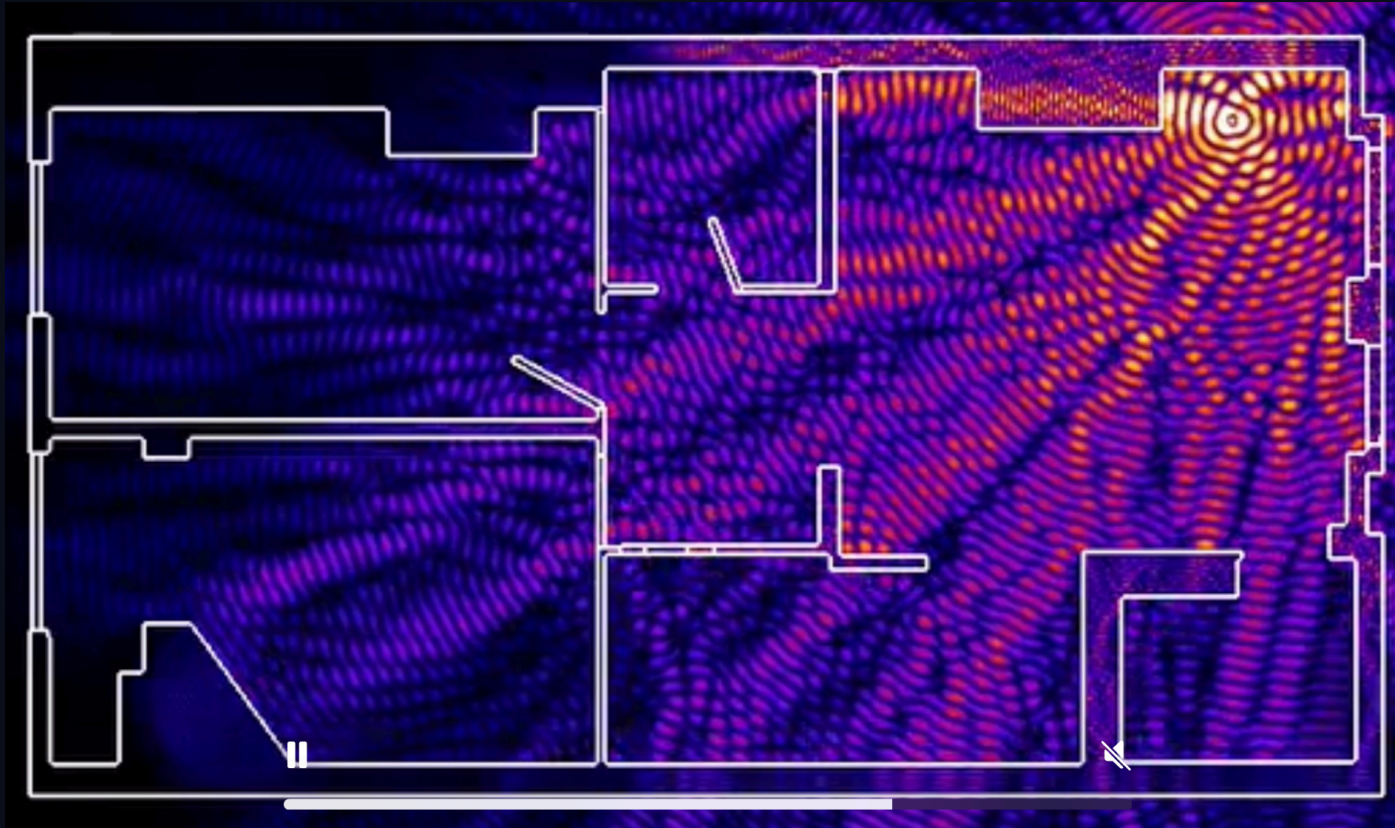
BUILT FOR THE FUTURE

- ▶ Modular, brand-agnostic hardware that scales with you
- ▶ Designed lifespan of 5–8 years with minimal intervention
- ▶ Upgrade individual components — never the whole system

BUILT FOR BEAUTY

- ▶ Discreet, ceiling-mounted access points
- ▶ Cleanly routed cabling — nothing exposed
- ▶ A finish you'll be proud to show off, not hide away

2.4 GHz vs 5 GHz Wi-Fi Signal Propagation Simulation



Wi-Fi signals behave differently depending on frequency, wall material, room geometry, and environmental interference. We don't guess — we plan. Every installation begins with a comprehensive site survey and signal propagation simulation to determine the optimal placement of every access point.

"We don't install equipment. We engineer experiences."

THE CENTRALIZED NETWORK CONTROL PANEL

06 / INFRASTRUCTURE



The heart of every installation — engineered to be as elegant as it is powerful.

- ✓ Available in 4U, 8U, 16U, 32U, and 42U enclosures to suit any space
- ✓ Integrated power distribution rated up to 20 Amps
- ✓ Lockable doors on all sides for physical security
- ✓ Universal compatibility with industry-standard equipment
- ✓ Clean, organized cable management — built for serviceability
- ✓ Aesthetically refined finish that complements any environment

INTEGRATED COMPONENTS

CCTV NVR / DVR System

Fiber Optic Distribution Panel

Network & IPTV Switch

Firewall & Network Controller

Media & Streaming Server

Fiber Optic Modem

Uninterruptible Power Supply

TRUSTED SINCE 2008

07 / TRACK RECORD

For over 17 years, **PT. Tri Solusi Neo Optima** has been the quiet partner behind the technology infrastructure of leading Indonesian enterprises — and the private residences of their founders.

60+

BUSINESS CLIENTS

Across 19 industries — from manufacturing and mining to maritime, healthcare, and hospitality.

75+

PRIVATE RESIDENCES

Including the homes of prominent Indonesian families and senior business leaders.

5+

YEARS AVERAGE TENURE

Most clients renew their service agreements year after year — we are built for long relationships.

INDUSTRIES WE SERVE

Mining & Minerals

Shipping & Maritime

Logistics & Fulfilment

Manufacturing

Textile & Garment

Home Furnishing

FMCG Distribution

Food & Beverage

Healthcare

Automotive

Property & Real Estate

Investment & Holding

Interior & Design

Construction

Media & Publishing

BPO & Outsourcing

Sports & Recreation

Religious & Community

Agribusiness & Trading

— Discretion is part of the service. We do not publish individual client names.

READY WHEN YOU ARE

LET'S BUILD YOUR NETWORK — THE RIGHT WAY.

Premium installation. Tidy execution. Future-proof design.
Long-lasting peace of mind.

SCHEDULE A CONSULTATION

Trisno Tjhin

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