

THE END OF KEYS, FOREVER

# YOUR FACE IS THE KEY.

Premium biometric door access systems — designed, installed, and integrated for absolute security and seamless daily use.

# KEYS ARE OBSOLETE

Physical keys can be lost, copied, stolen, and forgotten. Punch codes get shared, written down, and circulated. Magnetic cards get cloned in seconds. Every traditional access method has the same fundamental flaw — it can be separated from the person it belongs to.

Modern access control eliminates that gap entirely. Your face, your palm, your fingerprint — these things cannot be lost, lent, copied, or stolen. They are the most secure credentials in existence, and they are always with you.

At **PT. Tri Solusi Neo Optima**, we install enterprise-grade biometric access systems that recognize the right people in under a second, deny everyone else, and keep working through power failures, network outages, and emergencies.



— SECURE BY DESIGN. EFFORTLESS BY DEFAULT. RELIABLE BY ENGINEERING.

# FOUR WAYS TO UNLOCK

02 / RECOGNITION TECHNOLOGY

Every authorized person can choose how they want to enter — and every door can require multi-factor authentication for the highest-security areas. One terminal supports all four methods simultaneously.



## FACE

Sub-second recognition, even with masks, glasses, or hats. Anti-spoofing technology defeats photos and videos.



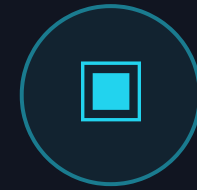
## PALM

Touchless palm-vein scanning works through gloves and bandages. The most hygienic credential available.



## FINGERPRINT

Reliable backup credential for users without enrolled biometrics. Supports thousands of unique prints per terminal.



## RFID CARD

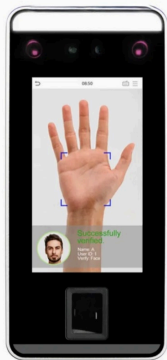
Mifare and proximity card support for visitors, contractors, and temporary access — issued and revoked in seconds.

One terminal. Four credentials. **Multi-factor security when you need it. One-second access when you don't.**

## MULTI-MODAL TERMINAL

### Face + Palm Recognition

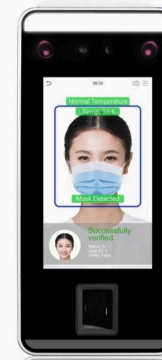
- ▶ Touchless face and palm authentication in under 1 second
- ▶ Built-in HD camera with anti-spoofing
- ▶ Capacitive touchscreen with on-device user management
- ▶ Wiegand, TCP/IP, and Wi-Fi connectivity
- ▶ Capacity for thousands of enrolled users
- ▶ Indoor and outdoor ratings available



## FACE RECOGNITION TERMINAL

### Face + Mask & Temperature

- ▶ Identifies users even when wearing masks
- ▶ Live anti-spoofing rejects photos and videos
- ▶ Optional thermal sensor for temperature screening
- ▶ Mifare RFID card and PIN code backup
- ▶ Cloud and on-premise management options
- ▶ Integrates with our network and CCTV systems



MODELS WE INSTALL

X902 Series · X901 Series · DS-K1T344 Series · DS-K1T341 Series · and more on request



Every door deserves three things on the inside: an effortless way out, an emergency override, and an option for simple manual control. We install all three — to industrial standards.

## TOUCHLESS WAVE-TO-OPEN

Wave your hand near the sensor — the door unlocks without touching anything. The most hygienic exit method, ideal for offices, clinics, and clean environments.

## EMERGENCY BREAK GLASS

In a fire or evacuation, smash the protective glass to instantly release every door on the circuit. Compliant with life-safety codes and clearly identified.

## OPTIONAL MANUAL SWITCH

For receptions and lower-security areas, a simple on/off button overrides the access controller for buzzer-style entry — without compromising the rest of the system.



## WHEN THE POWER GOES OUT, YOUR DOORS DON'T.

Every system we install includes a dedicated backup power supply rated for up to 2 hours of full operation during a blackout — enough for the vast majority of outages. For mission-critical sites, an optional expansion module extends runtime up to 24 hours on battery alone.

### SEALED LEAD-ACID BATTERY

Industrial-grade backup batteries sized to carry the controller and every connected door through a full outage cycle.

### AUTOMATIC TRANSFER

Switches to battery in milliseconds when mains power fails — and recharges automatically the moment power returns. No manual intervention required.

### MODULAR EXPANSION

Add expansion modules at any time to extend runtime up to 24 hours. Status, health, and remaining capacity visible from the management dashboard.

Real-world security isn't measured on a perfect day — it's measured during a fire, a blackout, a network outage, or a lost credential. We engineer for every one of those scenarios from day one.

## SCENARIO 01

### Fire or Evacuation

#### OUR SOLUTION

Break-glass override releases every door on the circuit instantly. Fully compliant with life-safety regulations.

## SCENARIO 02

### Power Blackout

#### OUR SOLUTION

Dedicated battery backup keeps every door, terminal, and lock fully operational — 2 hours standard, expandable up to 24 hours. Automatic transfer in milliseconds.

## SCENARIO 03

### Network Outage

#### OUR SOLUTION

Terminals operate fully offline using their on-device user database. Entry decisions never depend on the cloud.

## SCENARIO 04

### Lost Card or Stolen Credential

#### OUR SOLUTION

Revoke access from any device in seconds. Biometric users never face this problem — their credential cannot be lost.

# WHERE WE INSTALL

07 / OUR EXPERTISE

## LUXURY RESIDENCES

Discreet biometric entry for main doors, gates, and private rooms — keys eliminated entirely.

## CORPORATE OFFICES

Multi-zone access with role-based permissions for staff, visitors, and contractors.

## MULTI-CITY BRANCHES

Centralized credential management across all branches — enroll once, access anywhere.

## FACTORIES & WAREHOUSES

Heavy-duty terminals, time-and-attendance integration, and shift-based access policies.

## DATA & SERVER ROOMS

Multi-factor authentication mandatory. Every entry logged with photo and biometric record.

## HEALTHCARE FACILITIES

Hands-free palm and face recognition meet hygiene standards. Touchless wave-to-exit on every door.

## HOTELS & HOSPITALITY

Guest-room and back-of-house integration with PMS and housekeeping schedules.

## MARINE & YACHT

Marine-grade terminals on bridges, engine rooms, and crew quarters — built for harsh environments.

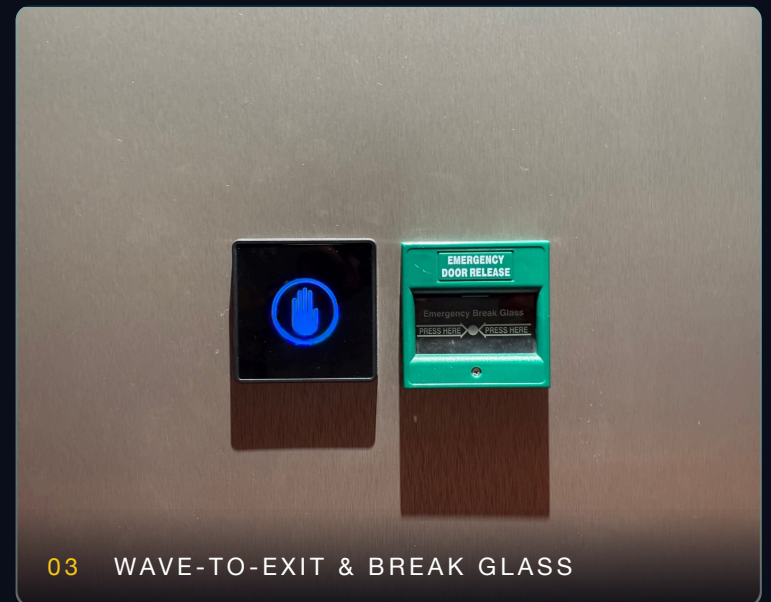
Every project is custom-engineered. **One installer. One standard. Zero compromises.**



01 PREMIUM GLASS ENTRY



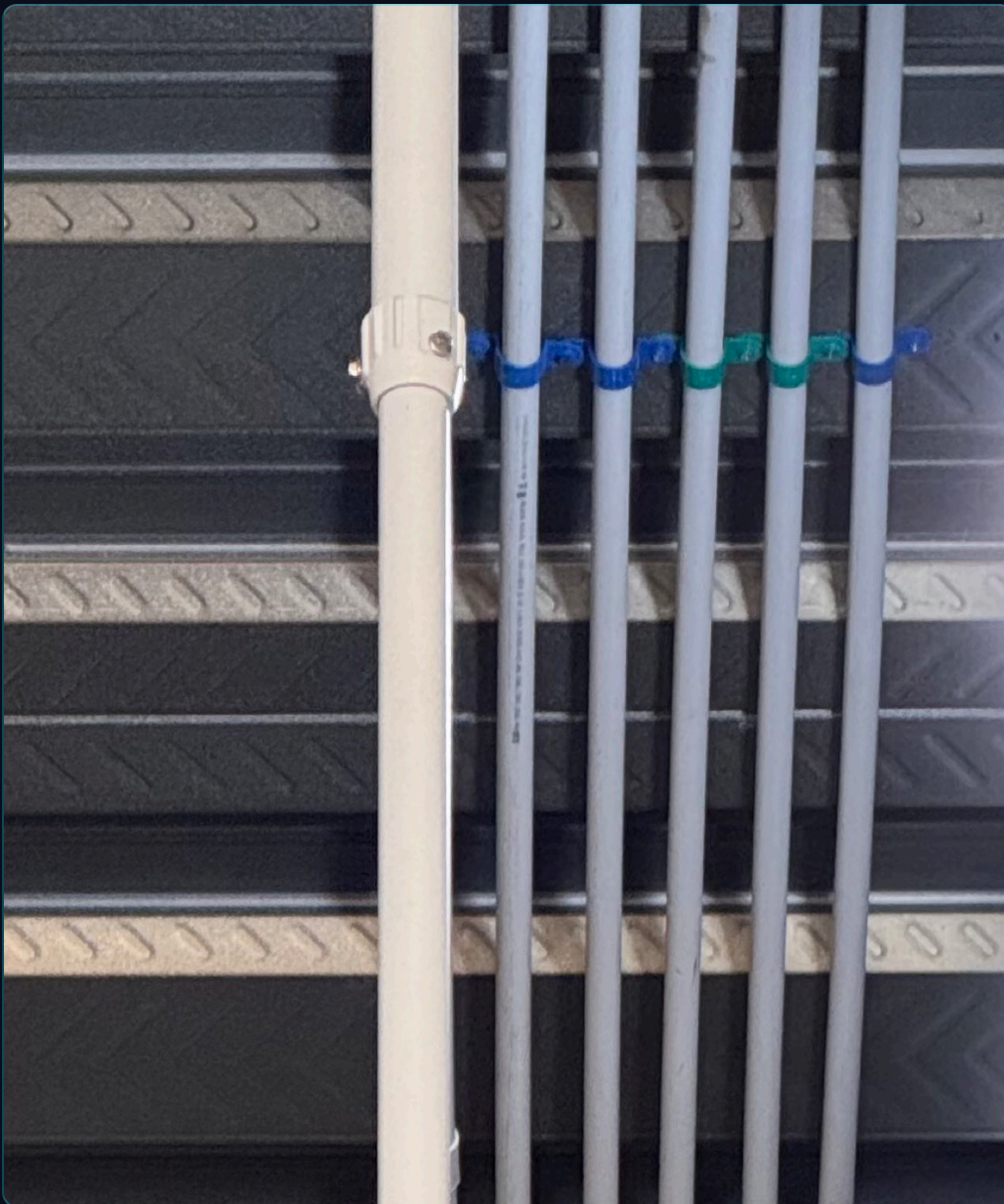
02 FACE TERMINAL INSTALLATION



03 WAVE-TO-EXIT & BREAK GLASS

# THE COLOR-CODED CONDUIT STANDARD

09 / OUR INSTALLATION DNA



Access control wiring shares the same color convention as our network and CCTV installations. One unified standard across every system we install — instantly identifiable, years from now.



## BLUE

LAN Data & Network Backbone



## GREEN

CCTV & Video Intercom



## YELLOW

Sound System & Public Address



## RED

Alarm, Smoke Sensor & Access Control

## ONE INSTALLER. ONE SYSTEM.

Access control reaches its full potential when it lives inside a complete security ecosystem. Our terminals, locks, controllers, and dashboards integrate seamlessly with the CCTV, video intercom, and network systems we install — all sharing the same infrastructure, the same management interface, and the same engineering standard.

### + CCTV INTEGRATION

Every door event is automatically tagged with camera footage. See who entered, when, and how — in one click.

### + VIDEO INTERCOM

Visitors are seen and verified before any door opens. Two-way audio and remote unlock from anywhere in the world.

### + NETWORK BACKBONE

Powered by the same enterprise-grade integrated network we install for connectivity — see our companion deck.

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

LET'S REPLACE YOUR KEYS FOREVER

# BUILD YOUR BIOMETRIC ACCESS SYSTEM — TODAY.

Premium terminals. Tidy installation. Backup power up to 24 hours.  
Future-proof integration. Long-lasting peace of mind.

SCHEDULE A SITE SURVEY

**Trisno Tjhin**

**+62 815 8871 388**

CUSTOMER SERVICE · WHATSAPP

**+62 881 012 730 888**

*Every project begins with a complimentary site survey. Final pricing is tailored to your exact requirements and door count.*

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