



YOUR REGIONAL PARTNER FOR COMPLETE INDUSTRIAL SOLUTIONS

Comprehensive digital and electrical infrastructure expertise serving mining, mineral processing, utilities and industrial sectors internationally.

AUTHORIZED REGIONAL AGENT

MULTI-BRAND INTEGRATION

NLT Digital Solutions across Africa, PRZ Slurry Pumps & Valves across the USA — direct manufacturer representation.

ONE TECHNICAL TEAM

FLUENT ACROSS DISCIPLINES

One technical team fluent across digital networks, smart access, and electrical infrastructure.

WHAT WE OFFER

- ✓ Underground Digital Networks
- ✓ Electrical Switchgear & Drives
- ✓ Multi-Brand Technical Support
- ✓ Smart Access Control
- ✓ Utility Kiosk Access
- ✓ Authorized Regional Distribution

NLT Digital
Solutions
Distributor: Africa

PRZ Slurry Pumps
& Valves
Agent: USA

YeboTech
Partner

Fontana
Partner

POLYBox
Partner

*One technology partner, **complete industrial solutions.***



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One technology partner, complete industrial solutions — digital, electrical and revenue protection systems for mining, utilities and industry.



COMPANY OVERVIEW

Excellence in Integrated Industrial Solutions

Your Authorized Regional Agent — Our Role & Company Profile

Metric	Value
Underground Wi-Fi	1st in Coal Mines Globally
Ruggedized Rating	IP67
Support Availability	24/7 Local Support & Service
Customer Focus	100%
NLT Digital Solutions	Authorized Distributor — Africa
PRZ Slurry Pumps & Valves	Authorized Agent — USA

Our Role

Zoei Tech Solutions is a team of experienced personnel specializing in regional distribution, technical support, and multi-brand systems integration.

We represent international manufacturers who need compliant, on-the-ground presence without establishing their own local operation — and give customers one accountable partner instead of multiple vendor relationships.

Zoei Tech is NLT Digital Solutions' authorized distributor for Africa and PRZ Slurry Pumps & Valves' authorized agent for the USA, alongside solutions partnerships with YeboTech, Fontana Software, POLYBox and Electech LS.

1st

UNDERGROUND WI-FI IN
COAL MINES GLOBALLY

Regional agent status backed by
direct manufacturer relationships
— one accountable technical
partner across your whole
solution.

GUIDED BY PRINCIPLES

Our Core Values

Principles that drive excellence and integrity in everything we do.

1

Strategic Partnership

We aim to be your trusted strategic partner, increasing value and saving revenue across your operations through innovative solutions.

2

Innovation Excellence

Exceeding our customers' expectations and adding value with innovative solutions that combine traditional engineering with cutting-edge technology.

3

Global Reliability

By God's grace, we continually strive to be a reliable supplier with distribution of products and services by the most cost-effective means possible.

4

Righteous Values

Achieving business excellence and continual growth through Godly, righteous values, passion and commitment, demonstrating mutual respect in all relationships.

Every project. Every partner. Guided by the same principles — strategic, innovative, reliable, and righteous.

STRATEGIC ADVANTAGES

Why Choose Zoei Tech Solutions

International manufacturers trust Zoei Tech as their compliant, on-the-ground presence — and customers trust Zoei Tech as the one team accountable for the whole solution.

1

Local Expertise

Based in South Africa with deep understanding of African mining and industrial requirements, providing responsive local support and service.

2

Global Partnerships

Authorized distributor for NLT Digital Solutions (Africa) and authorized agent for PRZ Slurry Pumps & Valves (USA), with direct access to ongoing innovation from industry pioneers.

3

Turnkey Solutions

Complete end-to-end service from initial consultation and design through installation, commissioning and ongoing maintenance support.

4

Future-Ready Technology

Scalable, modular systems designed to grow with your operations and integrate seamlessly with emerging technologies and standards.

One compliant, accountable local partner — trusted by international manufacturers and regional customers alike.

ADVANCED DIGITAL INFRASTRUCTURE

Digital & Electrical Solutions

Advanced Digital Infrastructure & Electrical Capabilities

Underground Networks

Rugged networking for harsh underground and industrial environments via NLT Digital Solutions.

- Wi-Fi tracking tags, alarm/evacuation modules
- Ethernet extenders, I/O modules, IS power supplies
- Harsh-environment design for mining

NLT Digital Solutions

Smart Locking

Key-centric electro-mechanical locks with universal digital key and cloud management platform.

- One key for 10,000+ locks with zero wiring
- Battery-free locks powered by key
- YeboMobile app and cloud platform

YeboTech Partner Solutions

Utility Kiosk Access

Standalone RFID & mobile access solution for electricity metering kiosks via Fontana Software.

- MiFare RFID cards or Bluetooth mobile unlock
- FS-Controller-Lite for front/back doors
- Central user management within utility network

Polybox / Fontana Software Partner Solutions

Electrical Switchgear

Quality, affordable industrial switchgear and drives for reliable distribution and motor control.

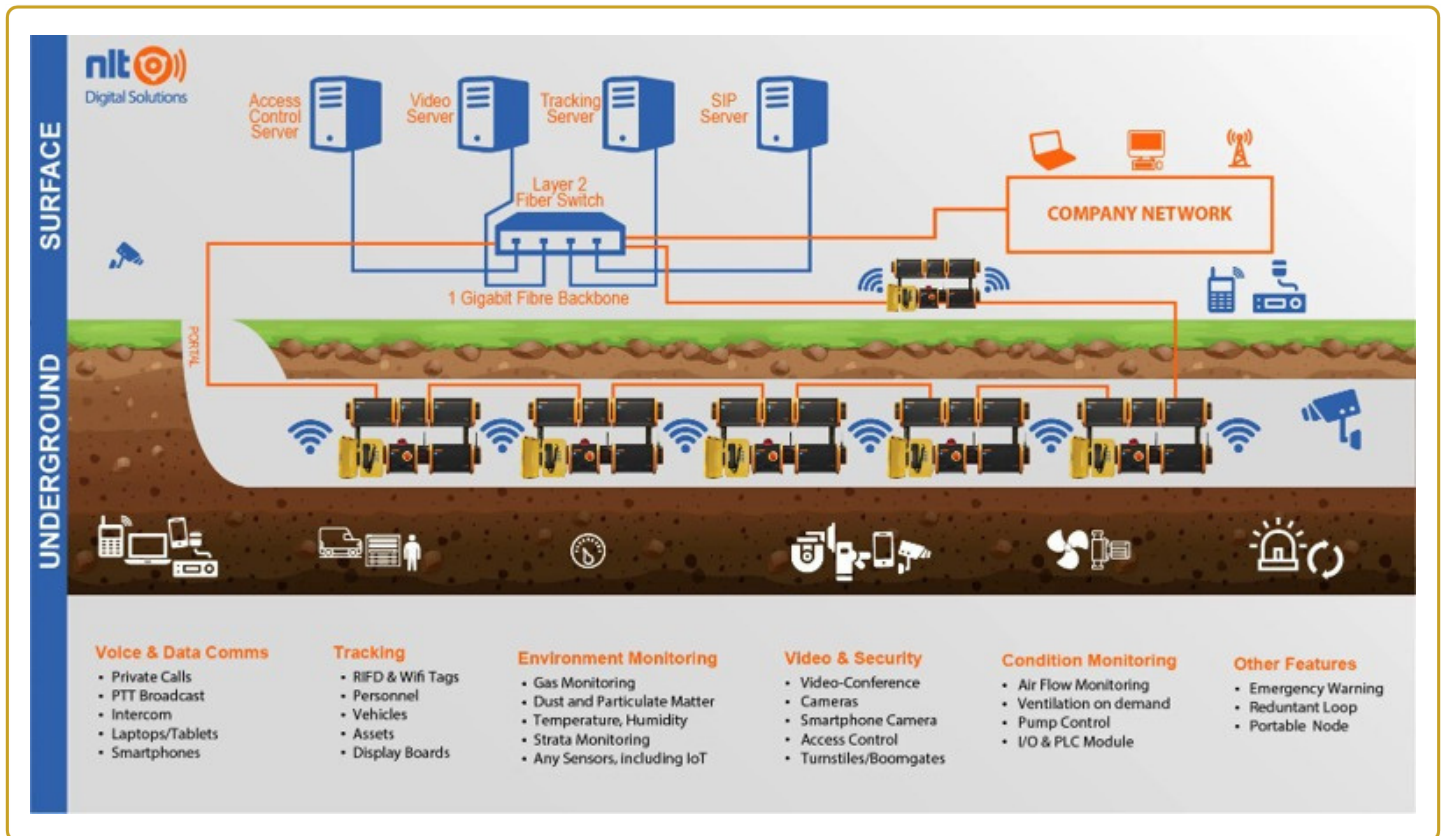
- Circuit breakers, surge protection, DBs
- Contactors, relays, overloads, starters
- Soft starters, VSDs, CTs, meters, motors

Electech LS Partner So

REVOLUTIONIZING UNDERGROUND OPERATIONS

Underground Digital Network Architecture

From the world's first underground Wi-Fi communication network in coal mines to cutting-edge digital security solutions — proven technology that keeps operations connected, secure and efficient.



Voice & Data Comms

Private calls, PTT broadcast, intercom, laptops/tablets, smartphones

Tracking

RFID & Wi-Fi tags, personnel, vehicles, assets, display boards

Environment Monitoring

Gas & dust monitoring, temperature, humidity, strata monitoring, any IoT sensors

Video & Security

Video-conference, cameras, smartphone camera, access control, turnstiles/boomgates

Condition Monitoring

Air flow monitoring, ventilation on demand, pump control, I/O & PLC module

Other Features

Emergency warning, redundant loop, portable node

UNDERGROUND COMMUNICATIONS

N-Connex System

Award-winning N-Connex networking system by NLT Digital Solutions — in partnership with NLT Digital Solutions



Plug n' play, high speed modular network. Pre-terminated fibre eliminates splicing underground. Rapid deployment and easily maintained. Turnkey data and voice communications solution.

- Gigabit fiber backbone with Wi-Fi nodes
- IP67-rated modular components
- Real-time personnel & vehicle tracking
- Voice & video communications
- Environmental monitoring integration
- Emergency management systems
- Video surveillance and monitoring
- Ventilation optimization

Award-Winning • Plug & Play • IP67 Rated

UNDERGROUND COMMUNICATIONS

Complete Network Solution

A complete, connected network from surface to underground — in partnership with NLT Digital Solutions

Data networking via a gigabit backbone. Monitoring and control systems for complete operational visibility.



- Private calls & PTT broadcast
- Intercom capabilities
- RFID & WiFi tag tracking
- Personnel and vehicle tracking
- Gas & dust monitoring
- Temperature & humidity sensors
- Condition monitoring
- Emergency warning systems

Full Visibility • Real-Time Data

Why Underground Communications Matter

Rapid Deployment

Plug-and-play modular systems with pre-terminated fiber eliminate underground splicing.

Enhanced Safety

Real-time personnel tracking, emergency management, and environmental monitoring.

Maximum Uptime

Ruggedized IP67-rated equipment designed for the harshest environments.

Scalable Growth

Future-proof operations with expandable gigabit backbone infrastructure.

DIGITAL & ELECTRICAL SOLUTIONS

NLT Digital Mine Software Suite

via Zoei Tech Solutions — “A window of insight into any mine on the planet.”

Symphony Everywhere

Tracking

Real-time location monitoring for personnel, vehicles, and assets via an intuitive map-based interface.

Environment

Real-time sensor monitoring with a map-based interface; manage devices and trigger alarms.

Messaging

Seamless team communication and task management across platforms and individuals.

Emergency

Real-time warnings and evacuations at module, zone, or site-wide level.

Reporting

Generate insights on operational variables — create, schedule, and export reports.

NLTV

Delivers real-time asset information and job-specific data to personnel on site.

N-Connex Award-Winning Design & Track Record

- Modules hook onto an expandable custom rail system, lock in place with a thumb screw, or mount stand-alone
- Simply 'plug & play' using Power over Ethernet (PoE) with pre-terminated CAT6 Ethernet and fibre cables
- Intrinsically safe (IS) equipment available for hazardous zones such as coal mines with methane risk
- NLT Digital Solutions was the first company to introduce Wi-Fi networks to underground coal mines

DIGITAL & ELECTRICAL SOLUTIONS

N-Connex & NetPort Hardware Catalog

via Zoei Tech Solutions — controlled access to real-time critical data across the network.

Product	Category	Description
Distribution 2.0	Network Infra.	Core distribution module for the N-Connex rail network
NetPort Gigabit	Network Infra.	Gigabit backbone connectivity module
Industrial Switch	Network Infra.	Ruggedized switch for harsh-environment distribution
IS Power Supply	Network Infra.	Intrinsically safe power supply for hazardous zones
Battery / Power 2.0	Power & Safety	Backup power & distribution modules for the rail system
Alarm / Evacuation 2.0	Power & Safety	Zone-level alarm & site-wide evacuation signalling
Wi-Fi Tracking Tags	Tracking & Access	RFID & Wi-Fi tags for real-time personnel/vehicle tracking
Kiosk	Tracking & Access	Touchscreen station assigning cap lamps & tracking tags (IP55)
Cap Lamps for Mining	Lighting	LED, rechargeable, waterproof & shockproof helmet-mounted

Kiosk — Personnel Assignment

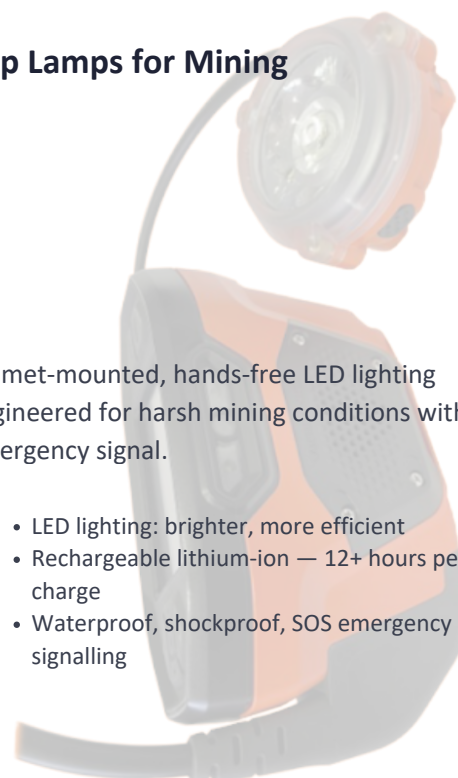


Touch-enabled kiosk connecting with Digital Mine software to assign cap lamps and tracking tags to personnel and contractors.

- IP55-rated touchscreen, dust and water resistant
- Optional RFID card reader integration
- Fully integrated with Digital Mine software

IP55 Rated • Touchscreen

Cap Lamps for Mining



Helmet-mounted, hands-free LED lighting engineered for harsh mining conditions with SOS emergency signal.

- LED lighting: brighter, more efficient
- Rechargeable lithium-ion — 12+ hours per charge
- Waterproof, shockproof, SOS emergency signalling

LED • SOS Signal

DIGITAL SECURITY & ACCESS

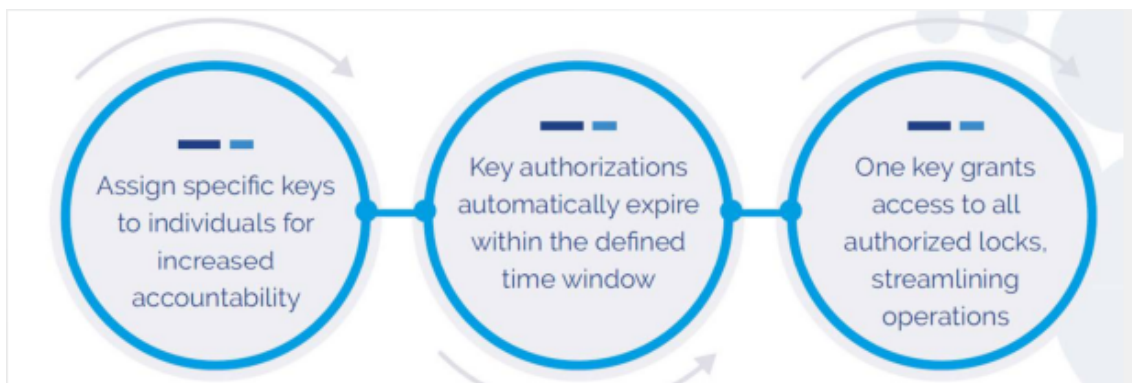
Smart Lock System

Cutting-edge digital locking solutions — in partnership with YeboTech

Advanced digital locking and access control systems with intelligent key management and comprehensive audit trails.

- Bluetooth & NFC-enabled smart locks
- Web-based key management system
- Automatic key expiration controls
- Asset protection & monitoring
- Access logging & auditing
- Remote management capabilities
- Assign specific keys to individuals for accountability
- Key authorizations automatically expire
- One key grants access to all authorized locks
- iOS and Android support

YeboTech Partnership • Keyless Access • Audit Trails

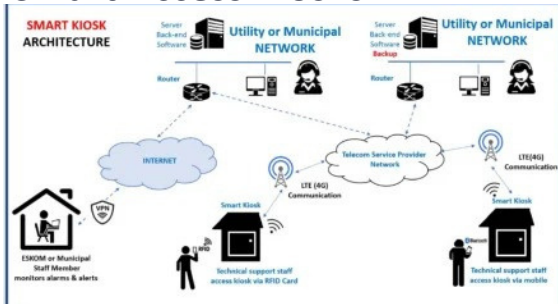


DIGITAL SECURITY & ACCESS

Smart Access Kiosks & Enclosures

Intelligent access control kiosks and electrical enclosures — in partnership with Fontana Software & POLYBox

Smart Access Kiosks



Revenue protection systems for utilities with advanced metering, tamper detection and automated monitoring capabilities.

- Low voltage equipment enclosures
- Anti-tampering & vandalism protection
- Automated meter reading (AMR)
- GSM/LTE/RFID connectivity
- Real-time alarm systems
- Revenue protection analytics
- Bluetooth/WiFi enabled
- Linux-based with MySQL database
- Electronic activated control

Revenue Protection • Fontana Software

POLYBox Enclosures



Durable enclosures for harsh industrial environments with superior environmental protection.

- Ground mount & wall/pole mount options
- IP43–IP54 environmental protection
- UV25 Linear Low-Density Polyethylene
- Lightweight but durable design
- Flame retardant materials
- All-purpose kiosk configurations
- Split meter box options
- Top entry cubicles
- Double/single door models
- Integrated locking mechanisms

IP43–IP54 • Flame Retardant

ELECTRICAL INFRASTRUCTURE

Complete Switchgear Solutions

Complete motor control and electrical distribution solutions — in partnership with Electech LS

Complete Switchgear Solutions



A complete range of circuit breakers, contactors, starters and drives for reliable industrial power distribution and motor control.

- Circuit breakers & surge protection
- Distribution boards
- Contactors & relays
- Overload protection devices
- Manual motor starters
- Enclosed direct online starters
- Variable speed drives (VSDs)
- Soft starters

Electech LS Partnership • Industrial Arm of LG

Distribution & Motor Control

Industrial arm of LG — quality products at affordable prices. Comprehensive switchgear solutions for harsh industrial environments.

- Standard motor FLC 3 phase solutions
- Current transformers
- Voltmeters & timers
- Selector switches
- KW/hour meters
- Fuse holders & fuses
- Star delta contactors with thermal overload
- Electric induction motors

Motor Control • Distribution

Proven Track Record

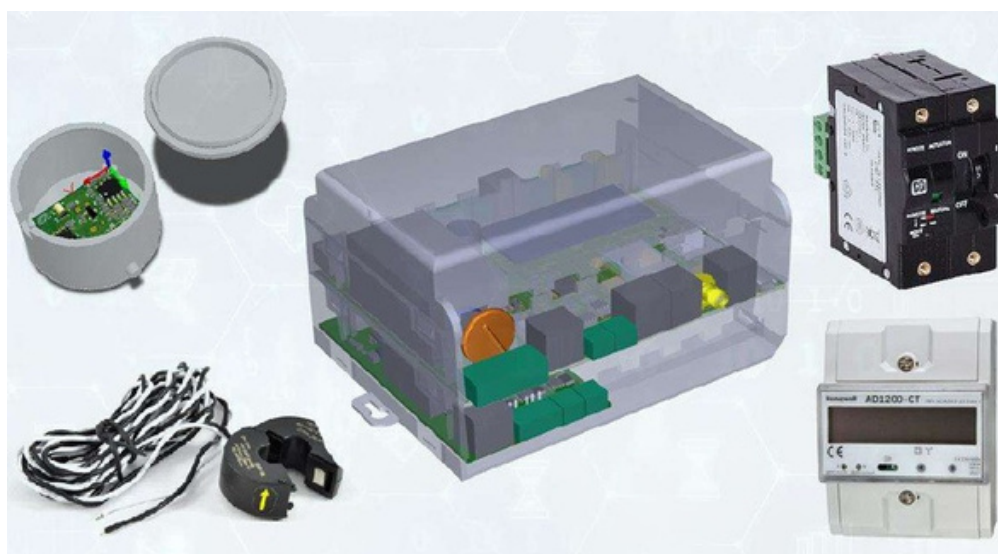
Achievement	Detail
1st	Underground Wi-Fi Network in Coal Mines Globally
IP67	Ruggedized Rating for Harsh Environments
24/7	Local Support & Service
100%	Focus on Customer Success

SMART METERING & REVENUE PROTECTION

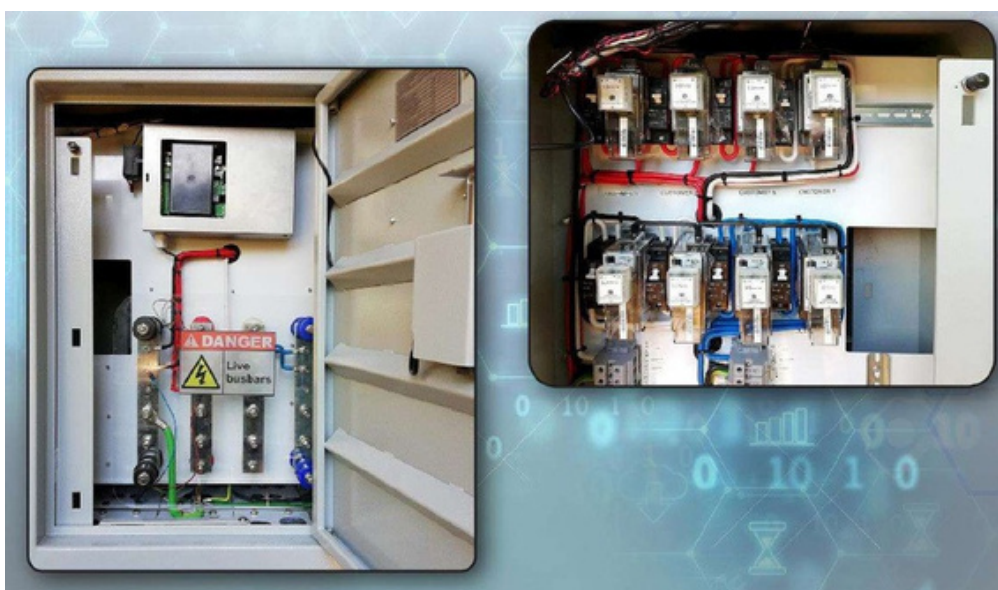
Intelligent Kiosk Infrastructure

Intelligent electricity management solutions that transform traditional infrastructure into connected, revenue-optimised systems without costly wholesale replacements.

Upgrade your electricity distribution network with smart technology that integrates seamlessly with existing meter installations.



Hardware Components



SMART METERING & REVENUE PROTECTION

Smart Kiosk Controller & Optical Meter

The intelligent hub of your electricity distribution network.

Smart Kiosk Controller

Our advanced kiosk controller serves as the intelligent hub of your electricity distribution network. Featuring integrated access management, continuous monitoring, and automated alert systems, the controller enables both remote and on-site access through secure RFID authentication or mobile applications.

- Integrated access control with RFID and mobile authentication
- Real-time monitoring and automated status notifications
- Remote and field-based door access capabilities
- Centralised back-end management platform
- Comprehensive alerting for security and maintenance events

Optical Meter Interface

Transform conventional electricity meters into intelligent, connected devices with our optical reader technology. This retrofit solution delivers smart meter functionality to existing infrastructure, eliminating the need for expensive wholesale meter replacements.

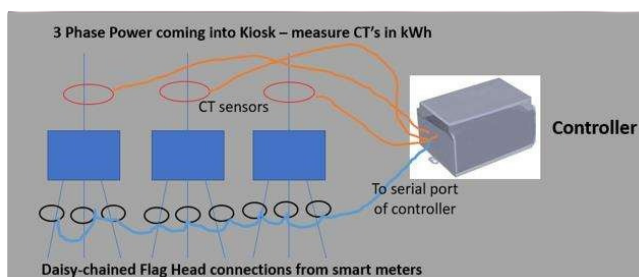
- Live consumption data and usage analytics
- Remote prepaid token delivery and activation
- Instant tamper detection and alert notifications
- Historical usage trends and consumption patterns
- Cost-effective smart upgrade for legacy meters

SMART METERING & REVENUE PROTECTION

Energy Management & Loss Prevention

Comprehensive monitoring and protection systems that safeguard revenue streams while reducing operational overhead.

Intelligent Circuit Protection



Smart circuit breaker technology that goes beyond basic protection to deliver active revenue protection and automated fault response. These intelligent devices detect anomalies, respond to tamper events, and can remotely isolate connections when irregularities are identified.

- Automated circuit trip detection and reporting
- Remote user disconnection for tamper or bypass events
- Automatic reconnection following fault clearance
- Reduced field service visits and maintenance costs
- Integrated protection and revenue assurance

Current Measurement & Balancing

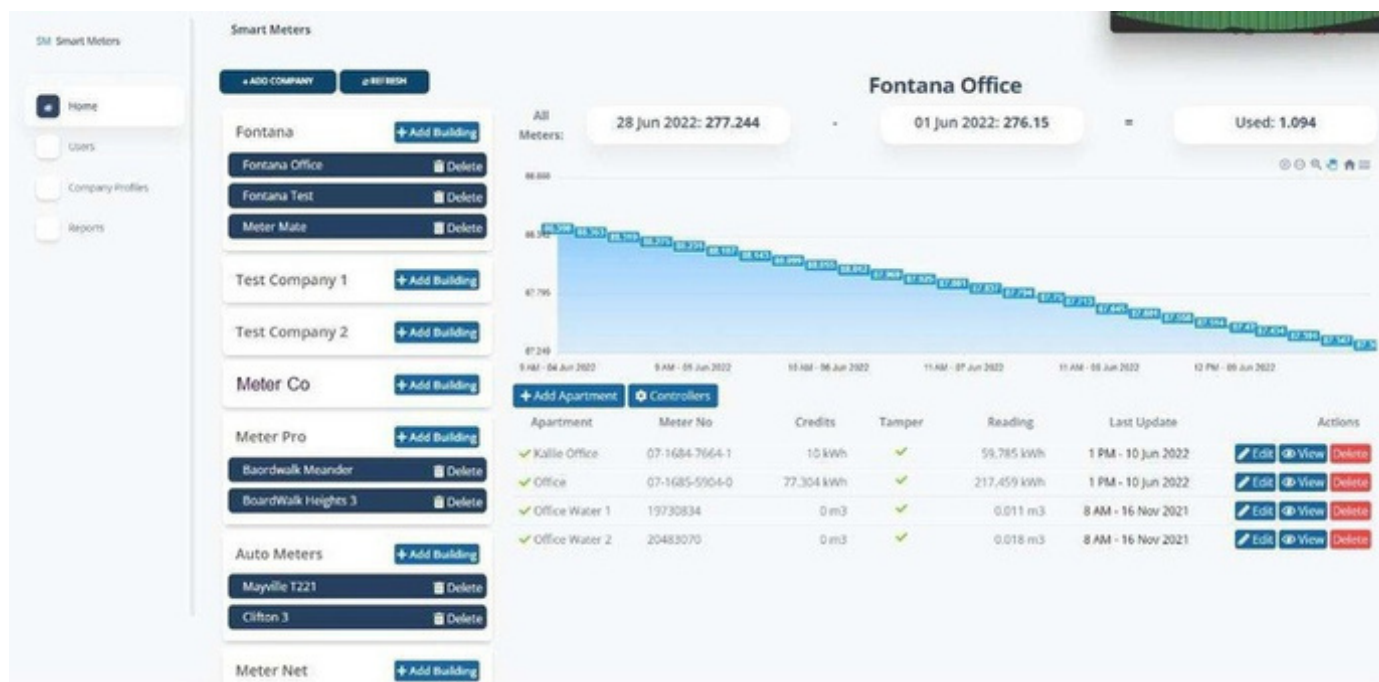
Precision current transformer technology monitors three-phase bus-bar power at the kiosk level, enabling accurate energy balancing between supply input and consumer distribution, protecting revenue integrity across your network.

- Three-phase power measurement at kiosk entry point
- Automated comparison of supply versus distributed consumption
- Bypass and theft detection through energy balancing
- kWh loss quantification and trend analysis
- Daisy-chain connectivity for streamlined installation

SMART METERING & REVENUE PROTECTION

Prepaid Vending Platform

A comprehensive web-based management system for prepaid electricity distribution, tariff administration, and consumption analytics.



Our intuitive web portal provides complete control over your prepaid electricity operations. Administrators can configure tariff structures, monitor consumption across buildings and individual units, and access detailed usage reports including peak demand analysis. The platform automatically loads purchased tokens directly to meters — eliminating the need for manual 20-digit code entry and preventing unauthorised token distribution.

- Centralised tariff configuration and management
- Automated token loading directly to meter
- Complete credit and consumption visibility
- Building-level and unit-level usage reporting
- Peak demand identification and analysis
- Property owner portal for credit and rent management

SMART METERING & REVENUE PROTECTION

Aggregator & Vending Integration

Flexible integration architecture for standalone or connected deployments.



Flexible Integration

Flexible integration architecture enables deployment as a standalone solution or connection to existing payment ecosystems. Our open API allows third-party vendors, mobile operators, banking platforms, and municipal systems to integrate token vending capabilities. Organisations can establish themselves as regional aggregators, offering white-label prepaid services to their customer base.

- Open API for third-party system integration
- Multi-channel vending through banks and mobile operators
- White-label aggregator deployment options
- Automated STS token generation and delivery
- Municipal and utility billing system compatibility
- Scalable architecture for any deployment size

SMART METERING & REVENUE PROTECTION

Sub-Metering Solutions

Granular consumption tracking for multi-tenant properties, commercial complexes, and distributed facilities.

Multi-Tenant Metering

Purpose-built for residential complexes, commercial buildings, and mixed-use developments, our sub-metering solution provides individual consumption tracking without requiring separate utility accounts for each unit. Property managers gain accurate usage data for cost recovery, while tenants benefit from transparent billing based on actual consumption. The system integrates with existing kiosk infrastructure and supports both prepaid and post-paid billing models.

- Individual unit consumption tracking and billing
- Integration with property management systems
- Support for prepaid and conventional billing
- Automated meter reading and invoicing
- Tenant self-service portal access
- Water meter integration capabilities

Accurate billing, transparent consumption data, and one integrated platform for every unit on site.

COMPLETE HYDRAULIC RANGE

Mining & Industrial Hydraulic Solutions

Complete pump ranges, spares, pipes and valves engineered for extreme mining conditions.

What We Offer

- ✓ End Suction Pumps
- ✓ Submersible & Floating Systems
- ✓ Carbon Transfer Pumps
- ✓ Vertical Spindle Pumps
- ✓ Pipes & Valves
- ✓ Wear-Resistant Elastomer Spares

Applications

- ✓ Mining & Mineral Processing
- ✓ Heavy Industry
- ✓ Dewatering
- ✓ Fire Protection
- ✓ Wastewater Treatment

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COMPLETE PUMP RANGES

ISO

COMPLIANT TESTING

24/7

SUPPORT & SERVICE

One key partner, endless mining solutions.

Contact Zoei Tech Solutions to discuss pumps, valves, spares and hydraulic monitoring equipment for your operation — see Contact Information on page 24.

YOUR REGIONAL AGENT & DISTRIBUTOR

How We Work

Zoei Tech operates an agency and technical support model — representing specialist manufacturers regionally so customers get one accountable local partner.

Authorized Representation

Regional agent status for NLT (Africa) and PRZ (USA), giving customers direct access to manufacturer-backed solutions through one local contact.

Technical Consultation

Pre-sales engineering advice matching the right product range to your site's specific requirements.

Procurement Coordination

Managing quotes, ordering, and logistics between the manufacturer and your team.

Installation Coordination

Liaising with manufacturer-trained and certified installation teams to get systems commissioned correctly.

After-Sales Liaison

A single point of contact for warranty claims, spares enquiries, and technical support requests.

Training & Documentation

Product training and technical documentation to help your team get the most from every system.

AGENT & DISTRIBUTOR MODEL

We represent specialist manufacturers regionally, coordinating sales, support and logistics rather than duplicating their own manufacturing operations.

CUSTOMER-FIRST SUPPORT

One accountable local contact for consultation, procurement, and after-sales support across your complete solution.

PROVEN ACROSS EVERY SECTOR

Industry Applications

Zoei Tech's digital, electrical and facility solutions are built to perform reliably across every demanding industrial sector.



Underground Mining Networks



Wastewater & Utilities



Smart Metering & Revenue Protection



Heavy Industry (Steel & Cement)



Utilities & Infrastructure



Fire & Safety Systems

Applications & Recommended Solutions

Application	Recommended Solutions	Special Features
Underground Mining	N-Connex, NetPort, Cap Lamps	IP67 Rated, Award-Winning
Utility Metering	Smart Access Kiosks, POLYBox	Revenue Protection, IP43–IP54
Site Security	YeboTech Smart Locks	Keyless Access, Audit Trails
Motor Control	Electech LS Switchgear	Circuit Breakers, VSDs, Starters
Emergency Management	N-Connex Alarm & Evacuation	Zone-Level, Site-Wide Alerts

Multi-Brand Portfolio • Regional Expertise • One Accountable Partner

GET IN TOUCH

Contact Information

Zoei Tech Solutions — your trusted industrial partner with complete digital and electrical solutions.

Operations & Sales

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USA Office

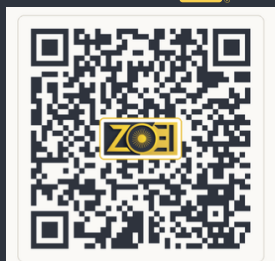
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Hours

Office: Mon – Fri 8AM – 5PM
Contact us to discuss your support requirements

Hydropro (Pty) Ltd trading as ZOEI TECH SOLUTIONS • Registration: SA 2022/237626/07

LinkedIn

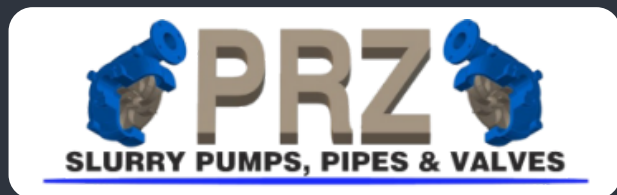


ONE ACCOUNTABLE PARTNER, MULTIPLE SPECIALISTS

Strategic Partnerships

Zoei Tech Solutions is NLT Digital Solutions' authorized distributor for Africa and PRZ Slurry Pumps & Valves' authorized agent for the USA — plus a solutions partner for YeboTech, Fontana Software, POLYBox and Electech LS.

AUTHORIZED PARTNERS



SOLUTIONS PARTNERS



- ✓ NLT Digital Solutions (Africa): Underground networking, tracking & safety systems
- ✓ PRZ Slurry Pumps & Valves (USA): Complete hydraulic pump & valve range
- ✓ YeboTech: Smart electro-mechanical locking with cloud platform
- ✓ Fontana Software / POLYBox: Utility kiosk & smart metering access
- ✓ Electech LS: Industrial switchgear and motor control drives

One technology partner, complete industrial solutions.

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