

ETRANZ SYSTEMS COMPANY PORTFOLIO

Powering Infrastructure with Precision, Reliability, and Innovation



Smart Electrical Solutions for Modern Rail & Industrial Systems

Professional, technical background (circuit board, control systems, rail infrastructure)

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Company Overview

About ETRANZ Systems

Welcome to eTranz Systems, a trusted partner in advanced electrical infrastructure. We are honored to submit our proposal in response to Liberty Rail Systems' Bid CB-2025. With a strong foundation built on over a decade of expertise in transit electrification and power system integration, eTranz Systems is committed to delivering high-performance Molded Case Circuit Breakers (MCCBs) that align with the highest industry standards. Our proposal reflects not only the quality and reliability of our products, but also our dedication to timely delivery, responsive support, and long-term partnership.

Mission : Our mission is to provide high-quality, standards-compliant electrical components and systems tailored to the dynamic needs of modern transport networks. We are committed to engineering excellence, operational reliability, and customer satisfaction through continuous innovation, rigorous quality control, and responsive technical support. At the core of our operations lies a dedication to building long-term partnerships founded on integrity, performance, and shared progress.

Vision : Tranz Systems envisions becoming a global leader in delivering intelligent and sustainable electrical solutions that support the advancement of transit and infrastructure systems. We aspire to shape the future of mobility by providing innovative technologies that prioritize safety, efficiency, and environmental responsibility.

Core Values and Key Advantages

Core Solutions & Services

- Modular Circuit Breaker Systems (MCCBs)
- Customized Panel Boards & Switchgear Assemblies
- Project-Based Electrical Integration for Rail Systems
- On-Site Testing, Installation, and Maintenance
- 24/7 Technical Support & Troubleshooting

4. Key Advantages

- ISO 9001-Certified Production & QA Process
- High Interrupting Capacity (Up to 65kA @ 480V AC)
- Full Range of MCCB Options: 100A to 800A
- Flexible Mounting: Fixed & Draw-Out Types
- Fast Delivery, Scalable Production
- 3-Year Full Replacement Warranty
- 24/7 Technical Assistance with 48-Hour On-Site Response

Product

5. Flagship Products

Model	Rated Current	Voltage	Trip Unit	Application
E-MCCB100	100A	480V AC	Electronic Trip	Budget-optimized solutions
E-MCCB200	200A	480V AC	Electronic Trip	Facility expansion, upgrades
E-MCCB400	400A	480V AC	Electronic Trip	High-demand rail infrastructure
E-MCCB800	800A	480V AC	Electronic Trip	Custom request only

6. Featured Projects

A. TexasRail Connect

- Scope: Supplied 200 MCCBs for mainline switchgear **Delivered ahead of schedule.**

B. Andina Rail Consortium

- Scope: Custom MCCB integration with fault relay protection system.

7. Team Behind the Innovation

- R&D Engineers with 10+ years in electrical protection systems
- Certified Installation Specialists
- Project Managers with backgrounds in civil infrastructure and rail

8. Trusted By

- TexasRail
- Andina Rail
- MetroTech
- Siemens USA (partnered projects)

9. Testimonials

“ETRANZ delivered what they promised – ahead of time, high quality, and with proactive service.”

- TexasRail, Senior Electrical Engineer

“Their MCCB units helped us meet regulatory compliance and reduce downtime.”

- Andina Rail, Michigan

10. Certifications & Compliance

- ISO 9001:2015 Quality Management
- IEC 60947-2, IEC 60947-2, UL 489 Standards
- UL 489 Certificate

11. Looking Ahead: Strategic Focus

- Smart Grid Integration
- Rail 4.0 Solutions with IoT Sensors
- Export Market Expansion in ASEAN by 2026
- Digital Twin System for Electrical Panels (in R&D)

12. Contact Us

ETRANZ SYSTEMS

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Ready to power your next project? Let's connect.