TYE PROJECTS PORTFOLIO

Through our highly streamlined and fully integrated manufacturing process, we possess the capability to fabricate electrical products with absolute precision, ensuring they align precisely with the specified technical requirements.

This approach empowers us to deliver tailor-made solutions that meet even the most stringent technical standards and specifications.

Contact Us

+868-662-1781

Visit www.tyett.com

TYE

TYE MANUFACTURING CO. LTD

12kV Switchgear Upgrade

For this project, TYE collaborated with the electrical contractor to supply high-voltage electrical distribution equipment in accordance with the site's operational and protection requirements for one of the largest financial institutions in Trinidad and Tobago. The equipment package comprised of a **nine (9) panel 12kV Schneider Electric Genie Evo switchgear**, configured with the following:

- Busbar metering panel for real-time monitoring of system load and performance **(BBM - Busbar metering panel and bus section)**
- Main incomer breaker for system protection and control **(2 Main incomers - 630A)**
- Transformer feeder panels for connection and protection of distribution transformers **(4 - 200A Transformer Feeders)**
- Additional circuit breaker panels as required by the system design **(Spare 200A feeder)**
- Complete battery tripping unit **(BTU)/Charger 48V DC**

TYE MANUFACTURING CO. LTD

Shopping Mall - Metering Panels

TYE received a request for the supply of **metering panels, complete with eight (8) digital power meters.**

TYE's engineering team engaged directly with the client's technical representatives to develop a tailored panel design that met both operational and integration requirements.

The scope of supply and works included:

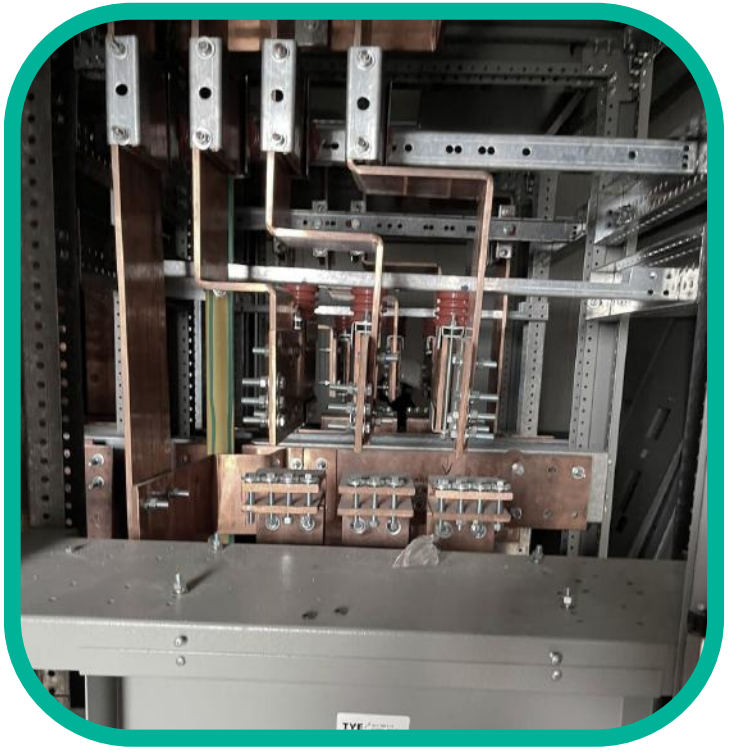
- Custom design and in-house fabrication of steel enclosures, protection rating, and mechanical standards.
- Supply of Panelboard including Main Board, Meter Panels for tenant billing/power monitoring (4 panels each with 11 digital power meters) & shop panels.
- Complete panel assembly, internal wiring, and functional verification testing.

TYE MANUFACTURING CO. LTD

Hospital - Main Electrical Upgrade

TYE successfully supplied a complete modular panel line-up, **Schneider Electric Ring Master** switchgear, and a bus duct system for the main electrical upgrade at one of the larger health care institutions in South Trinidad. The project involved overhauling the hospital's main electrical infrastructure, working alongside one of Trinidad and Tobago's top electrical contractors.

TYE provided Main Boards, Distribution Panels, Generator Splitter Boards, ATS integrations, isolators, and custom NEMA 3R transition boxes for both new and existing LV Rooms. The Sandwich bus duct system connected transformers, generators, and distribution panels, reinforcing TYE's reputation for quality, innovation, and reliable, tailored solutions.



TYE MANUFACTURING CO. LTD

Hospital - Main and Sub Distribution Panels

TYE's engineering team collaborated closely with the client to develop a custom electrical distribution solution for one of the larger health care institutions in East Trinidad, ensuring full compliance with operational parameters, protection coordination, and site-specific requirements.

The scope of work included:

- In-house fabrication of custom enclosures to meet specifications
- Manufacture and assembly of **4000A** main distribution panel
- Manufacture and assembly of **125A–500A** sub distribution panels
- Complete panel wiring, device installation, and functional verification testing prior to delivery

Panels were built to the required standards, ensuring operational reliability, system safety, and seamless integration into the client's power distribution network.

TYE MANUFACTURING CO. LTD

Hospital - Electrical Upgrade

TYE's team collaborated closely with the client to deliver a solution tailored to the operational safety and redundancy requirements of the installation at a hospital in Northern Trinidad. The system was designed to manage three independent power sources via interlocked main breakers and tie-breakers, ensuring safe and reliable source selection and distribution control. The scope of works included:

- In-house fabrication of free-standing custom NEMA 3R enclosures
- Supply and installation of three **1250A** main breakers
- Provision of tie breakers **1250A** with mechanical key interlocking to manage the transfer between sources and maintain system integrity
- Installation of sub-breakers ranging from **40A to 250A**, equipped with trip coils where required, for controlled feeder distribution
- Installation of panel meters for direct busbar-connected energy monitoring on each panel
- Complete factory assembly, wiring, and functional testing

TYE MANUFACTURING CO. LTD

Bank - Main and Sub Distribution Panels

For this project, TYE received a request for the design, manufacture, and supply of a **1200A** main distribution panel and multiple sub-distribution panels for this installation for a major regional financial institution in Trinidad.

TYE's engineering team worked closely with the client to develop a distribution system tailored to the operational requirements and site specifications of the facility. The panels were designed for reliable power distribution, system safety, and ease of future maintenance.

The scope of work included:

- Manufacturing a **1200A** Main Distribution Panel, configured for a **480/277V** system
- Manufacturing of sub-distribution panels ranging from **125A to 225A**, designed for **208/120V**
- Installation of appropriately rated circuit breakers
- Complete factory assembly and device installation, ensuring reliable load management and straightforward field termination.

TYE MANUFACTURING CO. LTD

Airport - HV & LV Distribution Equipment

For this project TYE was contracted to supply high- and low-voltage distribution equipment for an International Airport.

TYE's engineering team worked closely with the electrical contractor to develop a distribution system tailored to the operational requirements and site specifications of the facility.

The scope included:

- Customized **Schneider Electric Genie EVO HV switchgear** with an automatic changeover scheme**,** incomers, bus section, feeders and a busbar CT panel
- 110VDC Battery Tripping Unit
- Custom panels up to **4000A** and a 10-modular main board, generator splitter panel, and integration of two ASCO 7000 ATS units
- Supply of **over one hundred and fifty (150)** Low Voltage (LV) Distribution Panels
- Supply of **fifteen (15)** custom Motor Control Center (MCC) panels
- Supply of **twenty-three (23)** lighting control panels configured for standalone or networked operation along with LV Distribution Panels

TYE MANUFACTURING CO. LTD

Chlorine Plant - 36 Motor Starters

For this project, TYE received a request for the design, manufacture, and supply of thirty-six (36) motor starters with disconnectors, contactors, and overloads including 12 Process Defender Load Monitors. A customized **800A, 480V**, Motor Control Center (MCC), complete with a 120V control bus as well as comprehensive motor protection and distribution features were also supplied.

TYE MANUFACTURING CO. LTD

53 Way ATS Bank - Jamaica

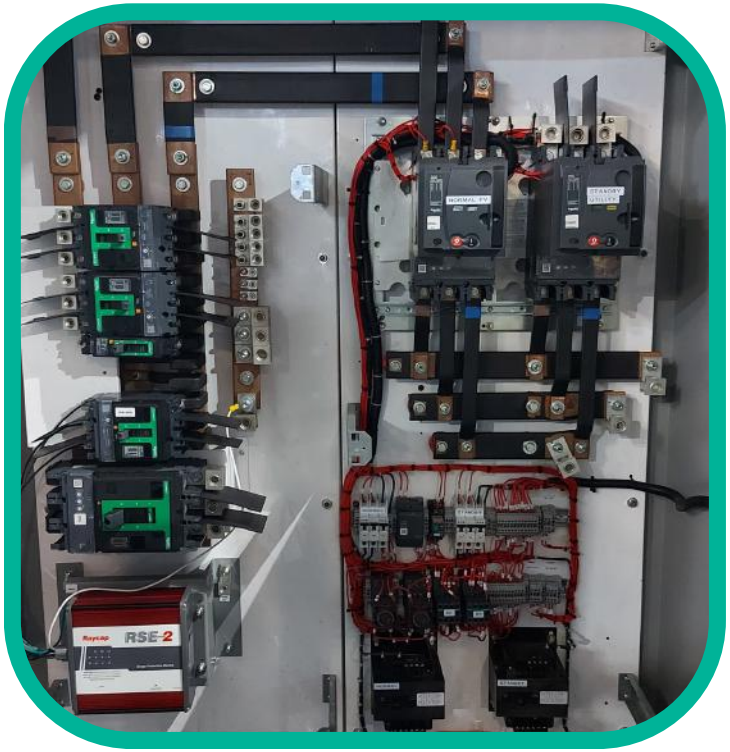
For this project, we received a request for the design, manufacture, and supply of a Fifty Three (53) way ATS Bank. The scope of work included:

In-house fabrication of a NEMA 1, 3PH 4 Wire enclosure inclusive of:

- **3200A** main breaker (fed from generator), one (1) **500A 3P** circuit breaker and multiple sub-breakers, including Three (3) 200A and Fifty (50) 70A breakers
- Three 200A 3P automatic transfer switches (master, slave & spare)
- Integration of One hundred (100) 80A contactors, interlocked in groups of twos for 50 apartments (one contactor Jamaica Power Supply (Normal) & Generator supply (Emergency)
- 50 70A 3P bolt-on circuit breakers feeding generator contactor to limit customer load for each apartment
- Installation of Fifty-three (53) Red (Emergency) and Fifty-three (53) Green (Normal) Pilot lights
- Complete factory assembly and functionality testing, including independent testing.

TYE MANUFACTURING CO. LTD

Distillery - Remote Transfer Switch



This Remote Transfer Switch (RTS) was a fully customized solution designed and manufactured by TYE Manufacturing for a local PV project in Trinidad. This consisted of a **600A** bus bar rating, 480/277V complete with Surge Protective Device (SPD) inclusive of sub breakers. All circuit breakers were from the **Schneider Electric Compact NSX Range.**

This solution consisted of the following:

- Two (2) 400A 3P Motorized Circuit breakers (CB1 & CB2) both mechanically and electrically interlocked. These are fed two (2) different sources (PV-CB1, Utility- CB2) and the load sides connected to a common bus feeding the system loads. As per design PV (CB1) was the preferred source with operation either in Automatic (Normal) mode or Manual (Emergency) mode.

- The RTS was outfitted with:

1. 4--Indicating lights PV available, Utility available; PV feeding loads; Utility feeding loads
2. 1NO/ 1NC SPDT OF auxiliary contact on CB1 and CB2 to signal breaker state (Close/Open) provided for external connection.
3. 1 NO contact SDE auxiliary contact on CB1 and CB2 to indicate fault trip provided for external connection.

- CB1 and CB2 are protective devices and in the event a fault occurs on the system in the protective zone of breaker feeding the loads and breaker trips the RTS will not changeover to the other available source. The SDE contact provided will indicate the trip by changing state. Breaker reset is manual.

TYE MANUFACTURING CO. LTD

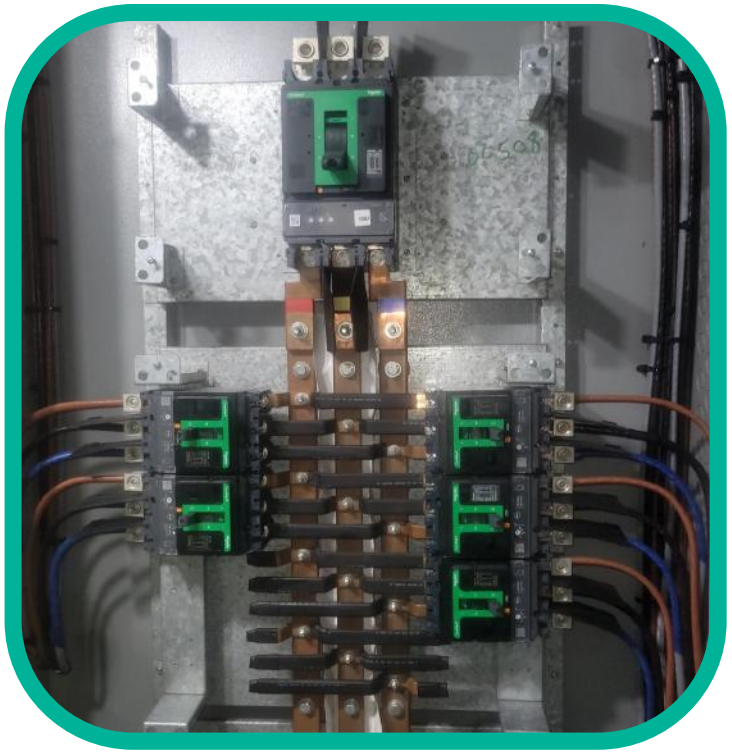
Hotel Guyana - Electrical Upgrade

TYE received a request for the supply of custom electrical panels as part of the hotel's infrastructure development for a local hotel in Guyana. TYE's engineering and fabrication teams collaborated closely with the contractors to deliver panels tailored to the standards required for the project. The scope of supply and included:

- Custom design and in-house fabrication of NEMA 1 steel enclosures for high-capacity electrical distribution, including a Utility Isolator, Emergency Input Isolator, and Generator Switchboard (GSB), with ratings up to **3200A.**
- Panel configurations included three phase, interrupting capacity **(35KAIC)** with main and sub breakers, and appropriate cable and lug sizing to meet the site-specific electrical demand and installation conditions.

TYE MANUFACTURING CO. LTD

Hotel Guyana-MD & Sub Panels



TYE received a comprehensive panel supply request from the contractor in support a project for an international hotel chain in Guyana. TYE's engineering and manufacturing teams collaborated with the client's technical representatives to design, engineer, and quote a diverse suite of custom electrical panels tailored for commercial hotel operations. The scope of supply and services included:

- Design and fabrication of **54** distribution panels, varying in size, voltage class, **NEMA 1 & 3R**, and breaker configurations.
- Panel ratings from **125A to 2000A**, covering critical systems such as air conditioning, UPS, kitchens, generator switchover, lighting, and guest room loads.
- Installation of adjustable and fixed main/sub breakers across all panels, with numerous configurations for both **208/120V** and **480/277V** systems.
- Complete supply and integration of **2000A ASCO ATS** with TYE panelboards

TYE MANUFACTURING CO. LTD

Workshop - Guyana

TYE's team collaborated closely with the client to deliver a customized power distribution solution, designed to meet site-specific requirements, load demands, and safety standards.

The scope of work included:

- In-house fabrication of **NEMA 3R**-rated enclosures tailored to each application
- Manufacture and assembly of load centers ranging from **300A** to **800A**
- Supply of isolators rated at **225A** and **250A** for dedicated circuit isolation
- Provision of sub-breakers from **40A** to **225A** and spare breaker spaces for future expansion
- Complete factory assembly including installation of protective devices and functionality testing prior to delivery.
- All panels were built to specification, ensuring performance reliability, protection coordination, and compatibility with the client's electrical infrastructure.

CONTACT US!

2-4 Frederick Settlement Business Park,
Frederick Settlement, Caroni 510161
Trinidad & Tobago, West Indies

+1-868-662-1781
sales@tyett.com
tyett.com