

CHIMERA LIVE LINE TECHNOLOGY (NIG) LTD.

Chimera Live Line Technology (Nig) Ltd is an integrated and a dynamic protection engineering company offering fire, lightning and surges protection services. The company's core business is providing Turn-Key solutions i.e. supply, installation, commissioning and after sales services in the field of fire, lightning and surges protection by our highly trained and experienced engineers and technicians. We serve all industrial, commercial and domestic structure segments.

The Company is the representative of Live Line Technology (RSA) Ltd (www.liveline.co.za) the manufacturers of Transformer Combi Unit, Joint Venture Partner of Cardox South Africa (www.cardox.co.uk) and Fire Security, Norway (www.fire-security.com).

Mission

Our mission is simple: Deliver innovative, problem solving technical solutions that exceed our customer expectations with uncompromising integrity and zero negligence in providing the life safety and property protection.

Fire is one of the most underestimated of all risks. A fire can break out anywhere-the most important thing is how fast it can be detected and extinguished.

In buildings, offices, warehouses, server rooms, wherever there is a risk of fire, **CLLT** has a range of individual solutions to ensure optimal protection for people, machines, buildings and environment.

As an active provider of integrated solutions we offer all fire protection concepts as a single supplier from simple fire extinguishers all the way to the most cutting-edge automatic extinguishing systems.

Overview

Extinguishing Water Technology.

Extinguishing water technology is an indispensable part of preventive fire protection. Water is the No.1 extinguishing agent and as drinking water it is also an important resource for our world.

CLLT offers a lot of different components of extinguishing water systems, for example fire extinguishing hose connecting equipment- (landing valves, above- ground and under-floor hydrants, sprinklers) and compatible fire pumps.

Foam Extinguishing Systems.

Storage facilities, incineration plants, refineries or plastics / tyre depots have one thing in common; they pose a special risk. When flammable liquids or plastics catch fire, the fire spreads very quickly and toxic combustion gases are emitted. This results in damage that cost millions as well as environmental pollution.

Foam extinguishing systems are the most effective for this risk area. Extinguishing foam is a highly effective mixture of water, foaming agent and air.

The foam utilizes different extinguishing effects; cooling, suffocating, separating, covering, restraining and displacing.

Powder Extinguishing Systems.

Powder extinguishing systems are permanently installed fire extinguishing systems; they are highly efficient and fast-acting extinguishing agents. The sudden 3-dimension extinguishing effect of the powder clouds is due to smothering effect and the anticatalytic effect, a chemical intervention in the combustion process.

Extinguishing powders consist essentially of non-toxic inorganic salts, which are mixed with impregnation and pouring agents. The extinguishing powders are used for fires involving solid, liquid and gaseous materials and for metal fires.

Fire Extinguisher.

For all fire classifications (A, B, C, D, F) we offer ideal fire extinguishers manufactured by NAFFCO in UAE.

- Mobile fire extinguishers from 1-12 kg or litres
- Navigable fire extinguishers from 10-60 kg or litres.
- Foam fire extinguishers
- Foam cartridge extinguishers
- Powder fire extinguishers
- Carbon dioxide fire extinguishers
- Water fire extinguishers
- Water mist fire extinguishers.

Fire Detection Systems.

Fire detection systems are essential components of a responsible safety management concept. Each object and each area of use holds special risks and requirements.

Fire Detectors.

We offer various models of standard fire detectors, optical smoke detectors, heat detectors, ionization smoke detectors, spark and flame detectors, special detectors include multi-function detectors, by pass alarms, aspirating smoke detectors, linear heat sensing cable and alarm transmitter.

Fire Detection Control Panel

Our fire detection control panels span both standard control panels with line technology and ring bus panels for networked systems. With diverse range of standard and special sensor technology, all configuration levels from compact small control panels to the comprehensive large panels can be compiled individually.

Automatic Fire Suppression Systems.

Sensitive technologies, objects and areas need a special protection scheme. **CLLT** has the right solution; our gaseous extinguishing agents are environmentally safe and provide fast, reliable protection of human life and material assets. Specially adapted to the individual application, they fight fires with no side effects or negative impact on the protected objects.

PASSIVE FIRE PROTECTION (Fire Stopping or Fire Seal).

Cables, pipes, supply shafts and ducts, coverings and joints are ideal areas for fires to spread quickly. Every duct- even through fire-proof walls, ceilings and floors- can easily become a safety breach. Passive fire protection is therefore an essential part of fire prevention. It helps to prevent and limit fires and to secure escape and rescue paths in the event of a fire.

To the passive fire protection (fire-stopping) measures belong:

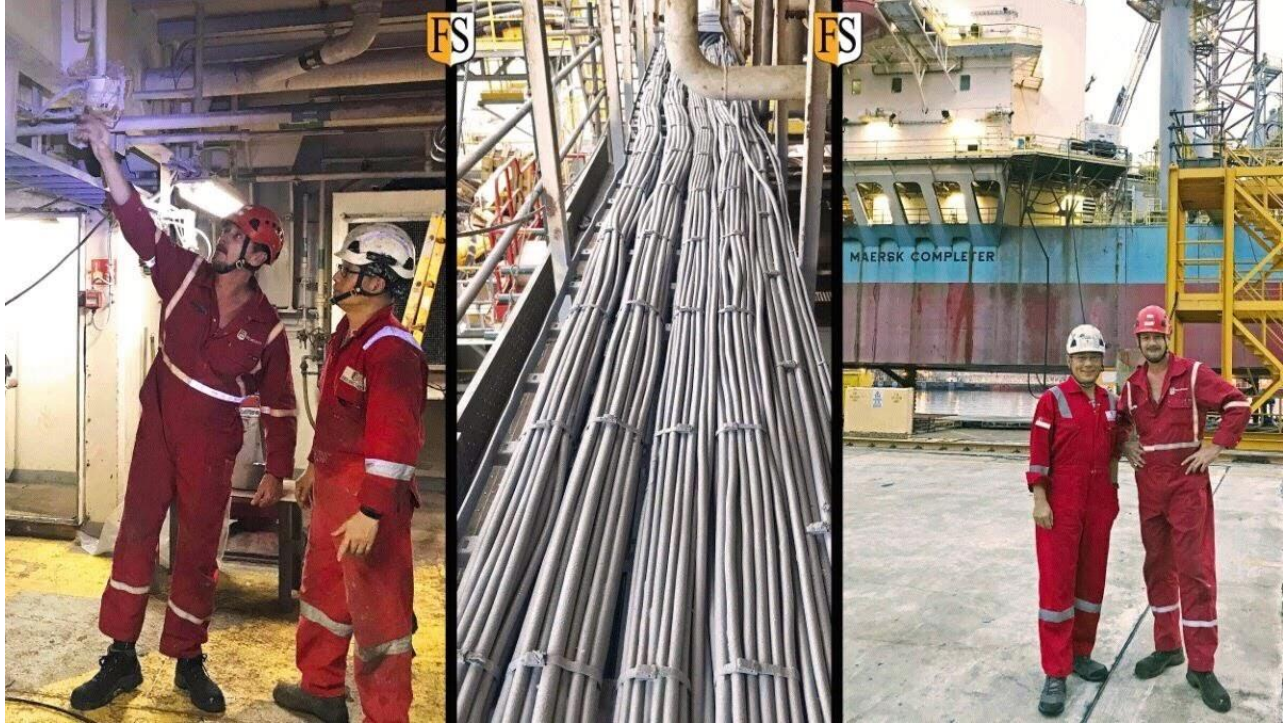
- Cable fire stops;
- Cable coatings;
- Fire protection coating;
- Pipe fire stops;
- Fire protection cladding;
- Fire protection joints;
- Fire stop mortar;
- Curtain wall safing slot;
- Perimeter fire containment.











FIRE RATED DOORS

Fire Doors are doors with fire-resistance rating and play an important role in fire protection and loss prevention. They are used as part of a passive fire protection system to reduce the spread of fire or smoke between compartments. Fire Doors enable safe escape from a building or structure during emergency situations such as a fire or earthquake. Fire Doors serve a distinct purpose and have unique characteristics, which differentiate them from other doors.

Our fire rated doors are designed and manufactured with internationally recognized standards such as:

- NFPA 80
- SDI
- ANSI/UL 10B
- ANSI/UL10C
- BS 476 Part 22
- CAN/ULC-S104
- NAMM HMMA
- AHJ
- NFPA 252



ROLLING SHUTTERS

(Fire Rated / Non Fire Rated)

Manually operated shutters are installed with the latest sophisticated springing systems; this ensures that even large shutters can be lifted with the minimum of effort.

Electrically operated shutters provide effortless security and large areas can be covered with just one shutter. Group controls and relays can operate multiple installations at the same time. Fire Rating up to 120 minutes (Under UL Listing) and 240 minutes (Under BS Listing) can be met.



OPTIONS

- Manually operated
- Electrically operated

APPLICATIONS

- Warehouse and Industrial facilities.

In **CLLT** we believe that chaos of fire can only be encountered by well-designed systems, all products use by us are part of fully developed systems, and have been subject to fire tests to a wide range of national and international standards in many countries.

FIRE-STOP MORTAR WORKS @ AMERICAN INTERNATIONAL SCHOOL STAFF QUARTERS, LEKKI-LAGOS



FIRE-STOP MORTAR WORKS AT A PRIVATE DEVELOPMENT ON KOFO ABAYOMI STR. VICTORIA ISLAND



FIRE-STOP MORTAR WORKS AT FRITHILL HEIGHT BOURDILLON ROAD, IKOYI





BURHAM BUILDING OF FLOUR MILLS OF NIGERIA PLC FIRE PROTECTION PROJECT







GOLDEN SUGAR COMPANY (GSC) FMN PLC FIRE PROTECTION PROJECT



M & E Openings Fire Seal Works At Standard Chartered Bank Building Head Office, Victoria Island.







LIGHTNING & SURGE PROTECTION (Combi Unit)

The Combi Unit is a transformer protection cutout that combines both a drop out surge arrester and fuse expulsion link into one single device.

Surge Arrester

The surge arrester housed in a Combi Unit, will protect both the fuse and transformer from over voltages in the event of a surge arrester failure the Combi Unit will isolate that particular phase of the transformer, thereby eliminating further over-voltage to that phase of the transformer. This provides a fail to safe system to protect the transformer.

Fuse Carrier

The fuse carrier will isolate an overloaded or faulty transformer. The phase is isolated when the current drawn through the fuse elements exceed the rating thereof.



Transformer Combi Unit. (Distribution Surge Protection

3kv-36kv) Function:

The Combi Unit is designed to protect distribution transformers from lightning and over voltage and isolate faulty transformers. The size of transformers it can protect are between 16 Kva – 2.5 Mva on medium voltage networks ranging 3.3kv, 6.6kv, 11-12Kv, 24kv, 27kv up to 36kv.

CARDOX SYSTEM

Cardox is widely recognized as the most efficient way and reliable means of clearing build ups and

blockages ... whether grain, flour, maize, soya, salt, sugar, cement, gypsum, coal, fertilizer, catalyst, ores, powders etc. The powerful Cardox System provides the ultimate solution to clear even the most difficult of build ups.

Services We Offer.

1. Site / Project survey and identification of hazard level;
2. Specification of products as per requirement;
3. Selection of product and systems;
4. Calculation of size, cost and budget as per the recommended design and thickness solution;
5. Team building and project execution;
6. Inspection as per Association of Fire Protection standards.

At **CLLT** equipment asset planning, procuring and maintaining is an integral part of organizational operations, allowing peak performance and functioning.

Executed Projects:

1. AISL New Campus Project , Lekki- Installation of Fire Seal
2. Fire Seal Works At Frith Hill Heights , 51 Bourdillon Road, Ikoyi
3. Flour Mills Burham Building Fire Protection, Apapa
4. Golden Sugar Refinery Fire Hydrants Project, Apapa
5. Fire Seal Works At Standard Chartered Bank Head Office Building Ahmadu Bello Way Victoria Island
6. Fire Seal Works At GT Connect Center Lekki
7. Fire Seal Works At Bankers Warehouse Karimu Kotun Street, Victoria Island
8. Fire Seal Works At Desiderata Office Building, Banana Island, Ikoyi
9. Fire Seal Works At Mansard Building Plot 927/928 Bishop Aboyade Cole, Victoria Island
10. Fire Seal Works At Novare Lekki Mall, Sangotedo
11. Fire Seal Works At Alliance Place 33^a Alfred Rewane Road, Ikoyi
12. Fire Seal Works At Oando Wings Office Development, Ozumba Mbadiwe
13. Fire Seal Works At Diamond Bank Head Office Annex At Alaba Oniru Way, Lekki
14. Fire Seal Works At Cornerstone Development Towers At Chief Yesufu , Oniru, Lekki–
15. Sealing of Cable outlets / Coating on the cables with fire proofing coating inside and outside of each electrical substations at Lines 1,2,3 & 4 At Dangote Cement Plc Ibese Plant, Ilaro Road

16. Sealing of Cable outlets / Coating on the cables with fire proofing coating inside and outside of each electrical substations at Lines 1,2, 3 & 4 At Dangote Cement Plc , Obajana Plant, Lokoja- Kabba Road Kogi State
17. Fire Protection Project At Marina Power Plant of Viathan Engineering Ltd
18. Fire Seal Works At Residential Development (Empire Courts) At 6^A Oba Adeyinka Oyekan Avenue
19. Fire Seal Works At Eko Pearl Olosa Street .
20. Fire Seal Works At Evercare Hospital Lekki
21. Manual Roller Shutter Doors fabrication and Installation at Evercare Hospital Lekki
22. Acoustic Insulation Works at Evercare Hospital Lekki
23. Fire Seal Works at Heritage Place, Alfred Rewane Road, Ikoyi, Lagos.
24. Numerous Roller Shutter Doors Fabrications (Manual / Electrical) and Installations in Egbin power plants, Petrol Stations, Warehouses and Commercial Outlets across Lagos and other states in South West States.

On our other areas of business especially as it concerns Live Line Technology Equipment, we have pilot installations for three (3) Discos namely Eko Electricity, Ikeja Electricity and Ibadan Electricity. Its noteworthy to mention that Ikeja Electric (IE) has approved the deployment of this equipment for their 33KV customers and we have numerous installation on going at the moment while efforts are also in top gear to bring stocks into the Country in large quantity to meet the expected demands. We are also at the verge of fulfilling Dangote Cement's order for Cardox Equipment for their Silos and other cement media cleaning operations.

KEY PERSONNEL

Olusegun Ayobami Bamiduro, a military trained Technical Engineer studied Explosive Science & Engineering while in the service of The Nigerian Army.

His experience in the field of Passive Fire Protection span over ten years with many projects to his credit

He is the MD / CEO of Chimera Live Line Technology Nig Ltd and the representative of Live Line Technology (RSA) Ltd the manufacturers of Combine Dropped Out Surge Arrester Unit (COMBI UNIT) that has just been approved for use by Ikeja Electric and also being considered by other Discos operating in the country. He is also the joint venture partner of Cardox South Africa representing the business interest of Cardox International Ltd in Nigeria.

Olugbenga Adeleke Shotola, a Mechanical Engineer began his career as an M & E Consultant with a reputable Consulting outfit with numerous projects across the country, he teamed up to promote safety culture in Nigeria build environment and has been with the company since inception.

As a Managing Partner he is the Project Manager and has seen to completion the numerous fire stopping projects the company has been assigned to execute by various Construction entities like Cappa & D' Alberto, Business Contracting Ltd, Courtney Michael Partnership etc.

Olawale Idris Babalola, also a Managing Partner is an Electrical Engineering graduate of University of Lagos. He has projects experience with various players in the Nigeria Telecoms sector and till date remains one of the competent hands being sought for by Multi Choice Nigeria Ltd on their various expansion projects.

He has been with the company since inception and he is in charge of strategy and operations.