



*With us, you are guaranteed*  
**expert service**



# THE COMPANY

Founded in 2019, **B2Ei** quickly distinguished itself as a key partner for players in the field of electricity at both national and regional levels.

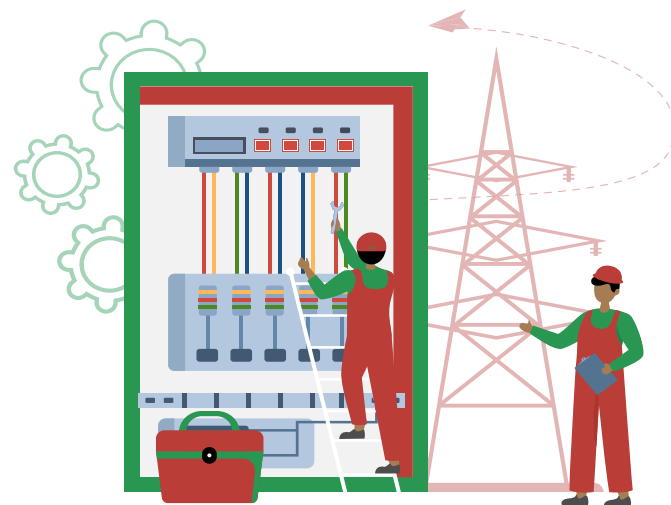
- **Certified Panel Builder for SCHNEIDER ELECTRIC**
- **Master EcoXpert Power Services by Schneider Electric**



# AREAS OF ACTIVITY

We offer a wide range of services in the industrial, commercial, and residential sectors

- **Panel Building**
- **Maintenance**
- **Diagnostics and Control**
- **Energy Audits**
- **Photovoltaics**
- **Electrical Engineering**



## PANEL BUILDER

The group relies on its wiring workshop and design office to offer a turnkey service, from study to panel building. We specialize in the design and manufacturing of electrical cabinets and solutions tailored to your specific needs.

### Our Services and Capabilities

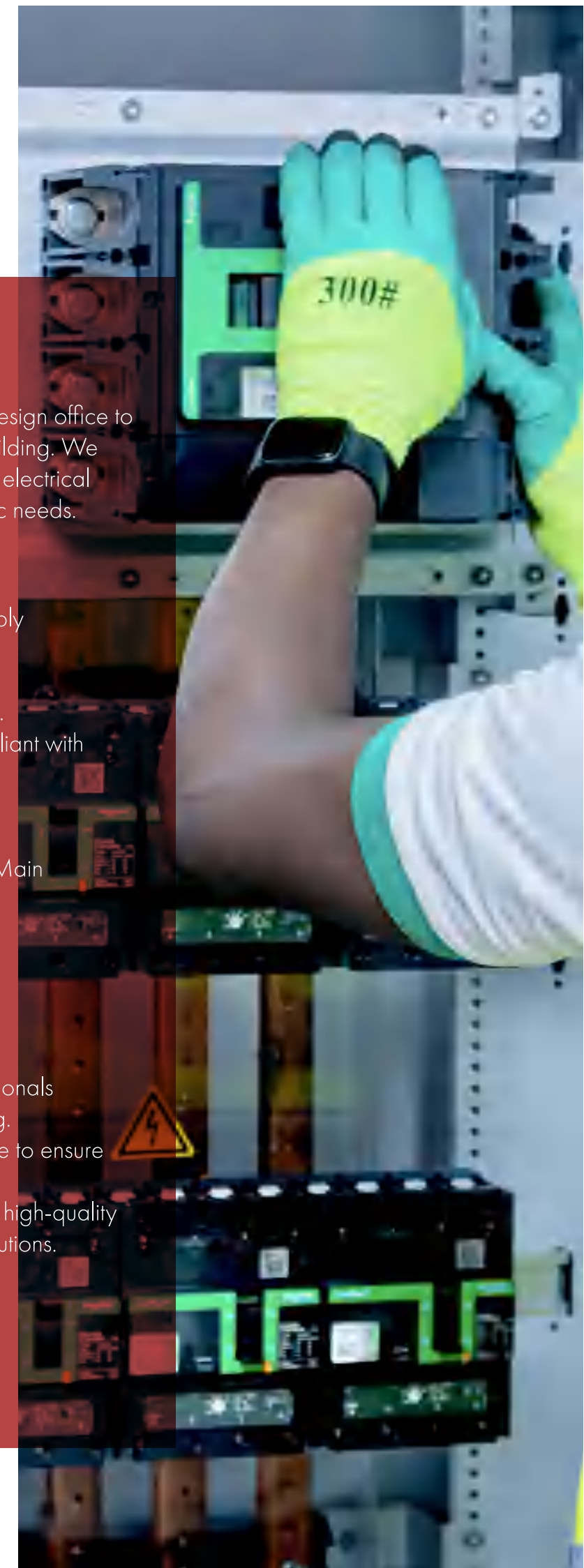
- Multi-brands: Expertise in all brands, notably Schneider Electric and Rittal.
- Busbars: Up to 4000A.
- Service Ratings (IS): From IS 211 to IS 332.
- Functional and universal enclosures, compliant with NF EN 61439 standard

### Our Solutions

- TGBT Distribution Cabinets (Low Voltage Main Distribution Board)
- Distribution Boxes
- Automation and Process Cabinets
- Control-Command Cabinets

### Our Expertise

- Qualified Team: Our experienced professionals master all aspects of electrical engineering.
- Advanced Tools: The latest design software to ensure precision and efficiency.
- Cutting-Edge Equipment: A wide range of high-quality devices, ensuring reliable and durable solutions.





## MAINTENANCE

Our team of experts leverages its expertise and advanced technologies to ensure optimal safety, service continuity, and personalized support in managing our partners' infrastructures.

### Our maintenance services include:

- Preventive maintenance: Regular inspection and maintenance of equipment to prevent failures and optimize their lifespan.
- Corrective maintenance: Diagnosis and rapid intervention in case of malfunction for effective recovery.
- Energy audits: In-depth analysis to optimize consumption and reduce energy costs.
- Upgrading and modernization: Adapting installations to current standards and technologies

## DIAGNOSTICS AND CONTROL



We offer high-quality diagnostic and control solutions, tailored to the current challenges of electrical installations.

### Our areas of intervention:

- Analysis and diagnosis of electrical systems: identification of malfunctions, performance optimization, and improvement of installation safety.
- Preventive and corrective control: verification of equipment compliance, detection of anomalies, and implementation of corrective solutions.
- Energy audits: assessment of consumption, identification of energy losses, and recommendations for better energy efficiency.



# ENERGY AUDITS

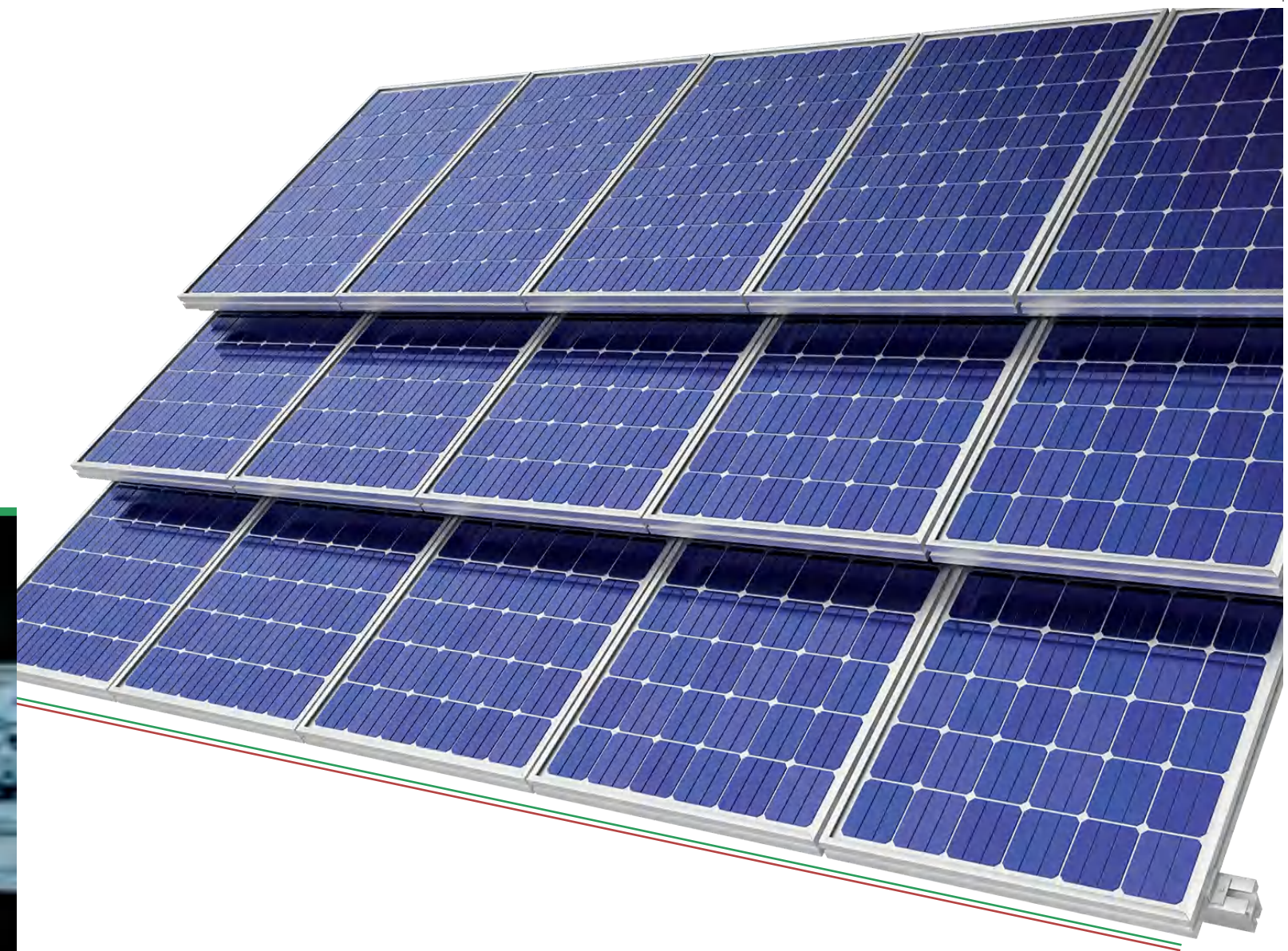


Thanks to our status as an authorized **Schneider Electric** panel builder and our recognition as a **Master EcoXpert Power Services**, we guarantee high-quality diagnostics and innovative solutions to meet the requirements of current standards and sustainable development goals.

- **An in-depth analysis of electrical and thermal systems**
- **Identification of sources of energy waste.**
- **Concrete and tailored recommendations for improved energy efficiency**

**Schneider**  
Electric

**EcoXpert**<sup>TM</sup>



## PHOTOVOLTAICS

As part of its expertise, **B2Ei** offers complete and customized solutions in the field of solar photovoltaics. We support our clients at every stage of their project, from design to installation and maintenance of solar systems, ensuring optimal performance and a successful energy transition

### Our photovoltaic services include

- Customized study and design of solar power plants. Turnkey installation for quick and secure implementation.
- Optimization and maintenance of systems to ensure maximum production. Connected solutions for real-time monitoring of energy performance







# B2Ei

INGENIERIE | CONSULTANCE | INTEGRATIONS





# OUR TOOLS

In addition to having qualified personnel and a leading global partner, Schneider Electric, we are equipped with



**Earth Resistance Measurement Device**

C.A 6471



**Insulation Measurement Device**

5 000 Volt :  
MEGGER



**Network Analyzer**

C.A 8336  
PEL 103



**Installation Tester**

C.A 6133  
MX 535



**Thermal Camera**

DiaCam2

**OUR  
EQUIPMENT**

# OUR SOFTWARE

- **CANECO BT** : Automated design Software for Electrical Installations
- **CANECO EP** : Software for auditing and designing public lighting networks
- **CANECO HT** : Automated design software for High-Voltage Electrical Networks
- **CANECO IMPLAN** : AutoCAD Application for wiring and Automatic Routing
- **CANECO TCC** : Selectivity Study and Control Software using Time-Current Voltage Curves
- **CANECO PV** : Solar Dimensioning Software

## WORKSHOP EQUIPMENT

### Bar Processing Machine

- **Perforation**
- **Shearing/Cutting**
- **Vertical and Horizontal Bending**
- **Torque Wrench**
- **Screwdriver**
- **Modern Individual Workstations**

# OUR CLIENTS TRUST









# SOME ACHIEVEMENTS

## SENEGAL

**OLAM AGRI :** We provided and installed 1200 kVAR compensation batteries, maintained Masterpact MW40 breakers, extended milling operations, and installed compact breakers.  
ICS : Installation of MasterPact MTZ25H2 Circuit Breakers

**CIF :** Factory extension works and replacement of equipment conversion of transformers (1250 kVA and 630 kVA) from TT system to IT system, and a 2500 kVA generator.

### TEYLIOM PROPERTIES

**ONEWEB :** Supply and installation of electrical panels: 2 TGBT, 3 630 A transfer switches, and 5 distribution cabinets

**SEA PLAZA :** Audit of all electrical installations, including HTA/BT substation, generator, and all electrical panels

**WATER FRONT :** Compliance upgrading of all electrical installations, including HTA/BT substation, generator, and all electrical panels.

### RICHARD ÉQUIPEMENTS :

**ORANGE GUINÉE-BISSAU :** Supply of pre-wired cabinets: 1 communicative TGBT and 1 source transfer switch

### CRITICAL EQUIPEMENTS :

**FREE SENEGAL :** Supply and installation of TGBT for the data center modernization project.

**THE GROUND :** Supply of pre-wired cabinets:

### SOMAGEC :

**ARMÉE ALLEMANDE :** Installation of the electrical system for the development of a work and aerial safety area at LSS Airport, preparation of the execution file, supply and installation of electrical panels, all electrical conduits, and 2 150 kVA generators operating in redundancy.

**PRIUS GROUP :** Supply of pre-wired panels for the nine (9) story building:  
1 TGBT and 39 apartment distribution cabinets

### GTS :

**SENEAU :** Supply and installation of protection: 3 removable MasterPact MW20H2 4P 2000 A circuit breakers and 1 fixed MasterPact MW16H2 4P 1600 A circuit breaker

**SEREX :** Supply of a pre-wired safety TGBT (Low Voltage Main Distribution Board).

**DC INDUSTRY :** Electrical works for the Dakar factory, preparation of the execution file, supply and installation

of HTA/BT substation, electrical panels, all electrical conduits, and commissioning of the installation

**DELVIC :** Electrical works for the sludge treatment plant in Tivaouane Peul, Dakar, preparation of the execution file, supply and installation of electrical panels, all electrical conduits, and commissioning of the installation.

**CASSIS EQUIPEMENTS :** Supply of pre-wired panels for the Sabadola gold mine:  
2 distribution cabinets and 20 distribution boxes



## MALI

**EDAC SARL :** fourniture tableau électrique précâblés

**ARME DE L'AIR MALI :** 01 TGBT

**BNDA MALI :** 01 TBT , 04 TGBT, 90 Coff rets divisionnaires, 01 armoire de sécurité

**AZALAI HOTEL :** 01 TGBT, 05 Coff rets divisionnaires

**SMDT :** 01 TGBT, 05 Coff rets divisionnaires

**IBIPHARMA :** 01 TGBT, 05 Coff rets divisionnaires

**ATOM CONSTRUCTION :** fourniture tableau électrique précâblés

**NIMA INDUSTRIE :** 01 TGBT, 05 Coff rets divisionnaires

### EGENE BTP :

**L'HOPITAL DERMATOLOGIE DE DJICORONI :**

01 TGBT, 01 Coff ret divisionnaire, 02 armoires de compensations 100 KVa

**MANUTENTION AFRICAINE :**

02 armoires de compensations 100 KVa

### SOMAGEC :

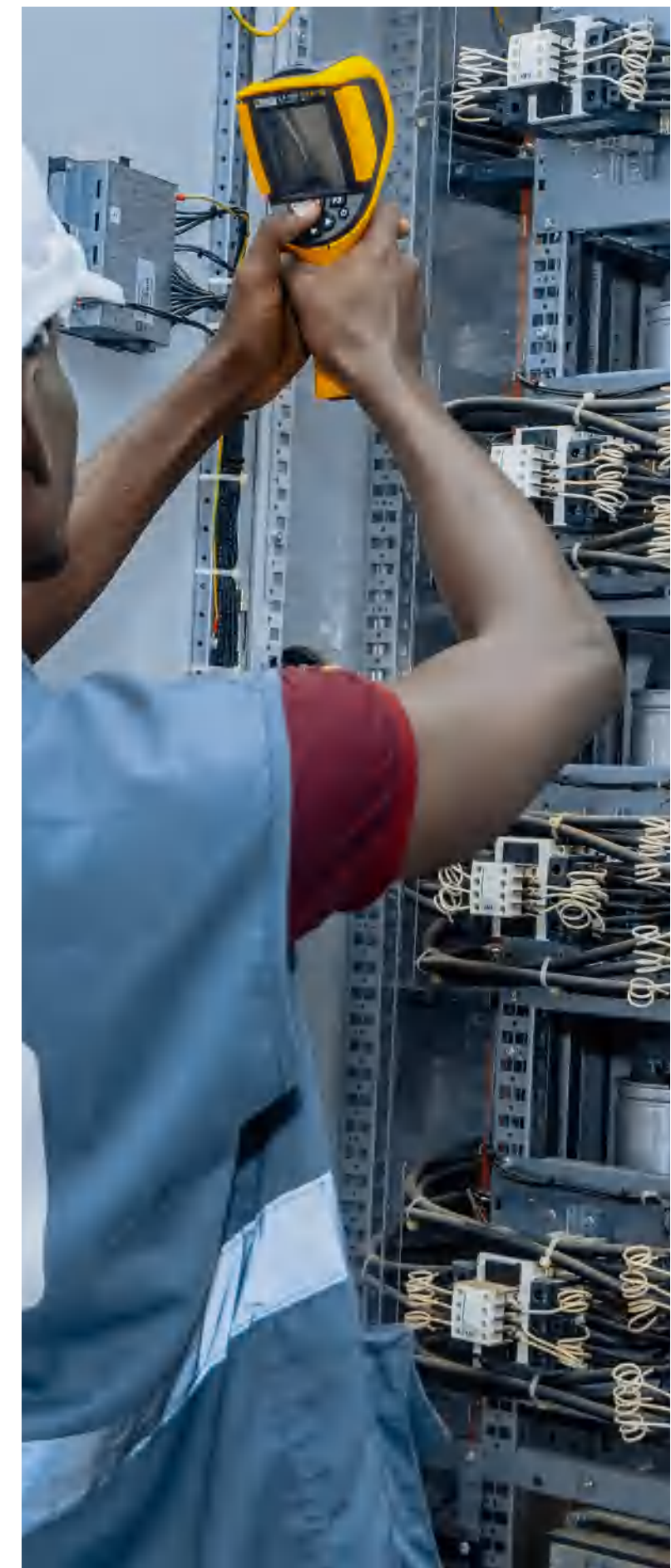
**MINUSMA :** travaux du lot électricité pour la base militaire de GAO MALI, Élaboration du dossier d'exécution, Fourniture et pose des tableaux électriques, ensemble des canalisations électriques et deux (2) groupes électrogènes de 500 KVa mise en parallèles

**G5-SAHEL :** travaux du lot électricité pour la base militaire de SENOU BAMAKO, Élaboration du dossier d'exécution, Fourniture et pose des tableaux électriques, ensemble des canalisations électriques et deux (2) groupes électrogènes de 500 KVa mise en parallèles

### GLOBAL BUSINESS AFRICA :

**POLYCLINIQUE MILITAIRE KATI :**

01 TGBT, 04 Armoires IT bloc opératoire, 04 Armoires divisionnaires, 10 coff rets divisionnaires





SENEGAL MALI GUINEE BURKINA





## SÉNÉGAL

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## MALI

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