



PNC
Power & Control

Power & Control sarl

شركة الطاقة والتحكم



PRE-QUALIFICATION FILE

Electrical Panel Builder

and Automation Systems

**Low Voltage Switchboards
and Motor Control Centers**

INDEX

- 1- INTRODUCTION
- 2- HISTORY
- 3- OBJECTIVES
- 4- TRAINING AND DEVELOPMENT
- 5- QUALITY ASSURANCE
- 6- ENGINEERING SERVICES
- 7- PRODUCT RANGE
- 8- COMPANY DETAILS
- 9- ASSEMBLY PROCESS
- 10- ASSEMBLY CERTIFICATES
- 11- SELECTED EXECUTED PROJECTS IN LEBANON
- 12- SAMPLE PANELS
- 13- LIST OF PROJECTS EXECUTED OUTSIDE LEBANON



1- INTRODUCTION:

PNC has become a go-to provider and assembler for Low Voltage Switchboards, Automation, Scada and Intelligent Installations. Our excellent track record and our exceptionally qualified and trained personnel preserve our reputation as the company of choice for our esteemed client base. With our policy on continuous improvement, we acquire the latest equipment and technology to confirm our standing as reputed Panel Builders.

2- HISTORY:

PNC was founded in 1992 with the vision of designing and assembling Low Voltage Switchboards and Motor Control Centers for the Middle East. Some 20 years later, PNC fulfilled its aim to specialize in Full Type Tested Low Voltage Electrical Panel Boards up-to 7000A, in compliance with IEC 60439 & 61439 standards, and certified from reputable institutes like ASTA and KEMA.

PNC has made a name for itself through collaborations with consulting firms such as Khateeb & Alami, Dar Al-Handasah, Lacedo, WSP, Arif & Bintook, MACE, ATKINS, National Engineering Bureau, HIDI RAE, DORSCH, Kling Consult, K. Sioufi, Spectrum, Pierre Dammous, Erga Progress, DEP, Barbanel and many others.

PNC was one of the first companies to use Type-Tested Form-4 panels with Fixed and Fully Draw-Out Compartments in Lebanon and assembled under license from CUBIC-Denmark.

In 1998, PNC expanded its reach to the UAE, Nigeria, Jordan, and KSA. We have since partnered up with the most reputable brands such as SCHNEIDER, ABB, ELSTEEL, CITECT, DEIF & WOODWARD among others. We provide and develop highly technical services in the fields of Power Synchronization, Automation, Scada, Intelligent System Integration, and EIB-KNX.



3- OBJECTIVES:

PNC has proved to be a company of high standards and excellent reputation with its clients. Our primary objective is to keep providing the best services in the field of Low Voltage Switchgear and Automation Industry and to remain the Contractors' first choice. Our growth strategy seeks to ensure a major share of this business in the Middle East as a whole.

4- TRAINING AND DEVELOPMENT:

PNC has repeatedly scheduled manpower skills development programs, meant to improve the overall performance of our personnel.

Our engineers are sent for training locally and abroad to integrate the new technologies available into our Products. Customized trainings are imparted to our personnel to ensure the quality standards are maintained and improved.

Employees are graded and assessed regularly to monitor their modification rate and appropriate steps are taken to improve the overall efficiency and ensure the quality of our Products.

5- QUALITY ASSURANCE:

PNC seeks to maintain its level of quality service and product through the following:

- Imposing strict norms and procedures though the whole work process,
- Integrating quality assurance techniques and good practices into the workshops,
- Implementing an effective Quality Management System,
- Continuous auditing and follow-up though the work process,
- Training employees in the Quality system requirements,
- Updating knowledgebase available to the team,
- Staying updated with the latest norms and standards,
- Using the highest quality products and latest technologies in the field,
- Ensure Health, Safety, and Environment concerns and regulations are constantly met.



6- ENGINEERING SERVICES:

PNC is one of the major companies actively executing projects in Lebanon, the UAE, KSA, Nigeria, Jordan, and other countries, it has proven itself to be one of the most technically competent and efficient companies in its field.

With its unique portfolio of providing Engineering Services for several market sectors like Commercial, Residential, Industrial, Recreational, Governmental, Educational, Health Care Centers, Pumping Stations & Water Treatment Plants, it has been associated as an all-round provider in the field of Electromechanical & Automation Systems.



7- PRODUCT RANGE:

PNC covers the full range of Low Voltage Switchboards TTA & PTTA and Motor Control Center Assembly:

Distribution Boards

Main Switchgears Form-2 up to Form-4 type-7,
Sub-Main Panels, Feeder Pillars and Final
Distribution Boards

MCC / MCP Pannels

Motor Control Centers
Form-2 up to Form-4 type -7 Fixed
and Draw Out

Capacitor Banks

Rating up to 600KVAR, multi- step with micro-
processor power factor correction, with and without
Detuned and Reactors

Generator Control Panels

Automatic Transfer Switches, Synchronizing and
paralleling panels with load sharing and full load
management systems

Intelligent System Integration

PLC controlled systems
SCADA systems
Electrical intelligent installation (EIB-KNX)



8- COMPANY DETAILS:

Main Office and Workshop

Address	Qubayter Building, Al-Kalamoun, North Lebanon + 961 6 400 195 and + 961 6 401 960
Fax	+ 961 6 400 192
Email Address	pnc@pnc-lb.com
Website	www.pnc-lb.com

Company Data

Type	SARL
Place of Establishment	Tripoli
Date of Establishment	1992 as Albonian Power and Control department 2012 as Power and Control SARL (PNC)
Field of Practice	Panel Building & Control Systems

Associated Company

Company Name	Albonian Intl. Electromechanical Works – Since 1992 MEP Contractor
--------------	---



9- Assembly Process:

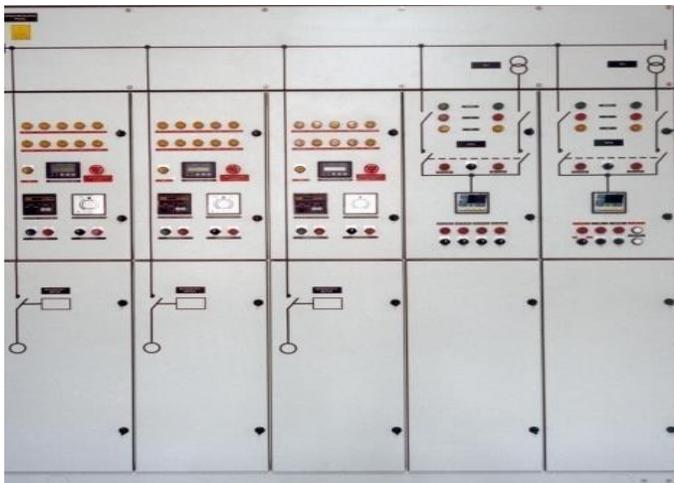
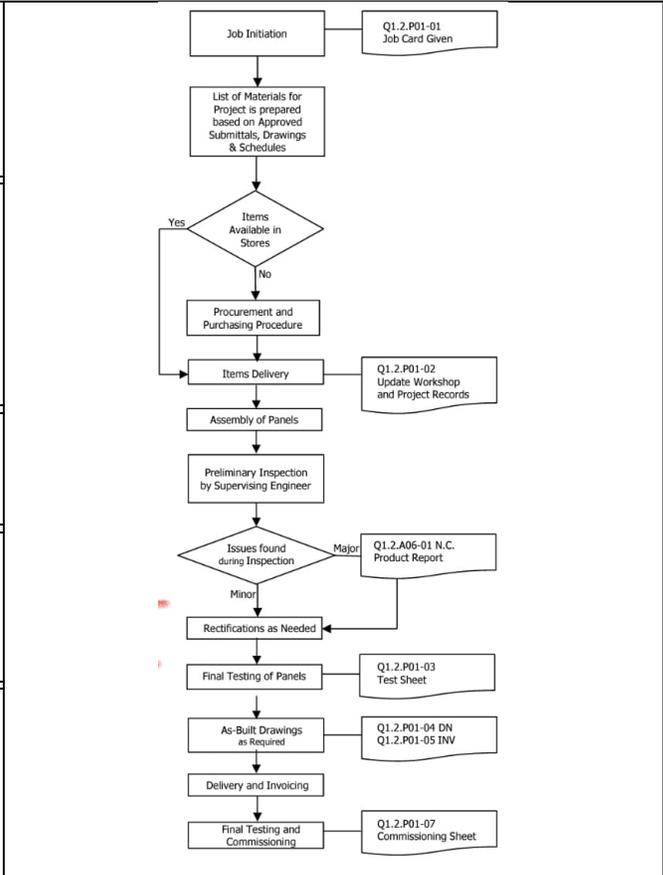
Our assembly process starts from the careful study of drawings, specifications, and project requirements, passing through design, shop drawings, material ordering and assembly, ending with testing, commissioning and after sale service.

With long years of cumulative experience in different markets and different countries, we were able to meet with all project requirements and specifications, and to incorporate an optimized design which reduces assembly times, costs, and fulfils the market requirements.

During all stages, a continuous in-process inspection is seen-through by a team of professional engineers and technicians to meet the company’s quality policy.

PNC sees quality as a system dependent on the personnel, management, product, technology, and services operating in a harmonic mechanism, leading to a full satisfaction of customer needs.

Project Process from beginning to end is detailed in the adjacent flow chart.



10- ASSEMBLY CERTIFICATES:

Life Is On



Global Operations - Middle East Zone

Date: 24-Apr-2017

To: Messrs. Power & Control S.A.R.L
Add.: Qalamoun, Tripoli, Lebanon
Tel: 961-6-400195
Fax: 961-6-400195

Prisma Plus - Authorized Panel Builder

Schneider Electric East Mediterranean certify by this letter that Power & Control S.A.R.L is authorized to assemble and test our range of functional panel boards (Prisma Plus)

We are ready to make on demand audit to certify that his assembled "Prisma" panels conform to our assembly guide as a process to achieve Type Tested Assembly (TTA) as per IEC 61439-1

This statement was given upon the request of Messrs. PNC, and is valid until the 31st of December 2018.

Sincerely Yours
Schneider Electric East Mediterranean

Richard Ayoub
Technical Manager



ASSEMBLY CERTIFICATES:



ELSTEEL DANMARK A/S

Fabriksvej 23
3000 Helsingør
Danmark
Tel: +45 49 22 33 44
Fax: +45 49 22 33 45
Mail: elsteel@elsteel.com

To whom it may concern:

This is to certify that;

POWER & CONTROL sarl
PO Box 1012, Tripoli
Lebanon.

Is Our Licensed Panel Builder for

Elsteel Techno Module

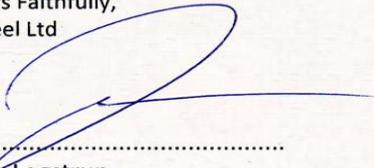
Modular system for LV panels up to 7100 Amps Type Tested as per IEC 60439-1 or
BS 5486 part 1 and up to 6300 Amps Design Verified to IEC 61439-1 & 2

Employees of Power & Control sarl are fully trained by us to design, assemble, test and commission our system for Power Distribution and Motor Control Panels (MCC) since October 2000 and they are backed by our technical expertise.

We also certify that Power & Control sarl of the above address, are authorized / Guaranteed panel builder of Elsteel Type tested Techno Module System using any brand of electrical components for any project.

This certificate is valid until 28th February 2023 and will be renewed upon mutual agreement.

Yours Faithfully,
Elsteel Ltd


.....
Fang Logstrup
Managing Director

For latest news and links www.elsteel.com

TECHNO MODULE CABINET - BOX ENCLOSURE IP 65 - 19" CABINETS - STAINLESS STEEL BOX IP 66 - TERMINAL BOX - INSTANT PANEL

11- SELECTED EXECUTED PROJECTS IN LEBANON:



Casino du Liban 1996
Casino and Entertainment Complex in Jounieh, Lebanon



Banque du Liban 2000
Central Bank of Lebanon in Beirut, Lebanon

SELECTED EXECUTED PROJECTS:



Low-Cost Housing 2003
100 Buildings, 1000 Apartments, Low-Cost Housing Compound in Tripoli, Lebanon



Crown Plaza Hotel 2003
Hotel & Commercial Building in Beirut, Lebanon



MEDGULF Insurance 2007
Headquarter of MEDGULF in Beirut, Lebanon

SELECTED EXECUTED PROJECTS:



Lebanese University Campus 2004
13 Faculty Buildings Campus in Hadath, Lebanon



Lebanon & Gulf Bank 2008
Headquarter of LGB in Beirut, Lebanon



Ministry of Education & High Education 2009
Headquarter of MEHE in Beirut, Lebanon

SELECTED EXECUTED PROJECTS:



Chamber of Commerce, Industry & Agriculture of Tripoli & North Lebanon 2008
Extension Building for CCIAT in Tripoli, Lebanon



M1 Building 2014
Office Building in Downtown Beirut, Lebanon



Beirut City Center 2013
62,000 sqm Shopping-Mall in Beirut, Lebanon

SELECTED EXECUTED PROJECTS:



Waterfront City 2016
3 Residential Buildings in Dbayeh, Lebanon

12- SAMPLE PANELS:



MDBs and Capacitor Banks for Shopping Center



BUS-TIE 1600KVA With 2xATs-MDB, Between EDL & Synchronizing, Form-3B

SAMPLE PANELS



Synchronizing And Bus-Tie Panel Form-4 for shopping Center



Synchronizing Panel 3x500KVA plus 2 ATS Form-3B



Totalizing Panel 2500Amp Form-3

SAMPLE PANELS



Totalizing Panel 2500Amp Form-3B



MDB 1600A With 2 Incomers & Bus-Tie Form-4B



ATS and MDB Panel Prisma-P Form-3 with Power Metering



Motor Control Center Form-4 Type-6



Synchronizing, ATS and MDB panels Form-4 for Hospital



Motor Control Center Form-4 Type-6

SAMPLE PANELS



MDB Busbars State of the arts



ATS-MDB Automated Panelboard



MDB Busbar



ATS-MDB Automated Panelboard for Site facilities



SMBD with Leakage Relay & Toroid

SAMPLE PANELS



ATs MDB with changeovers panel

SAMPLE PANELS



MDB & ATS Panel



Motor Control Center



Synchronizing Panel 2x1600A



ATSS Panel for residential Bldg

1' - " LIST OF EXECUTED PROJECTS CI HG-89 LEBANON:

Project	Scope	Work Description	Project	Scope	Work Description
Lebico Factory Bu Karyiah water treatment plant Al-Ain - U.A.E	Panel Panel Building	Main distribution panel boards Motor control centers form-4 fixed type Automatic transfer switch	MERION HOTEL Lagos-Nigeria	Panel Building Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Synchronizing Panel board for 2 generators Motor control centers
Al-Rimah water treatment plant Al-Ain - U.A.E	Panel Building	Motor control centers form-4 fixed type Automatic transfer switch	IBALEX FACTORY Lagos-Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Motor control centers
Capricon Tower Dubai - U.A.E <i>50 floors tower parking facilities</i>	Panel Building	Main distribution panel boards form-4 Sub distribution panel boards form-2 Motor control centers form-4	LEKKE MOSQUE Lagos-Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Motor control centers
MOSTLEY RESIDENCES Lagos -Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Motor control panels Synchronizing Panel board for 3 generators	BLACK DIAMOND HOTEL Lagos-Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators Motor control centers
QUEENS RESIDENCES Lagos -Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Motor control panels	ONIRU COMPLEX Lagos -Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators
ILADO RESIDENCES Lagos -Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Gens. Motor control panels	FUJI BUILDING Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators
NABILCO PROJECTS Lagos-Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS-MTS Panel boards for Main & Generators. Motor control centers	BANANA ISLAND 1&2 Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators 4 Synchronizing Panel boards, each for 3 generators Motor control centers
13 GLOVER Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 3 generators Motor control centers	21 Gerard Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution & Emergency panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 2 generators Motor control centers
6 GERARD Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 3 generators Motor control centers	TEMLPLE 16 Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution & Emergency panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 2 generators Motor control centers
46 GERARD Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 3 generators Motor control centers	BLACK DIAMOND Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution & Emergency panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 2 generators Motor control centers
Nipost Lagos- Nigeria	Panel Building	Main distribution panel boards Sub distribution & Emergency panel boards ATS Panel boards for Main & Generators Synchronizing Panel board for 4 generators Motor control centers			