



انكان باور
INKAN POWER

INKAN POWER

DRIVING INDUSTRIAL GROWTH, EMPOWERING

رؤية VISION

2030

المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



www.inkanpower.com.sa

ABOUT

INKAN POWER

Inkan Power is a subsidiary company from **Inkan Holding (Kingdom of Saudi Arabia)** and with our technical partner **LS Electric (Republic of Korea)**, Inkan Power was established to contribute to the Kingdom's vision of industrial localization and energy sector advancement. The company specializes in the **manufacturing of high-voltage Gas Insulated Switchgear (GIS)** and the **execution of strategic power infrastructure projects** across Saudi Arabia and the wider GCC region.

By combining **Inkan Holding's** local market expertise with **LS Electric's global technological** leadership, Inkan Power delivers innovative, reliable, and sustainable energy solutions aligned with the objectives of Saudi Vision 2030

Our mission is to strengthen the national energy infrastructure through localized production, knowledge transfer, and technological innovation, ensuring high-quality standards and operational excellence in every project we undertake



MISSION

To localize high-voltage GIS manufacturing in Saudi Arabia, delivering world-class electrical infrastructure solutions that empower industrial growth and national energy resilience.

VISION

To become the region's leading provider of HV GIS systems, driving industrial diversification, BENA / IKTVA compliance, and strategic partnerships across the GCC and MENA.



OBJECTIVES

INKAN POWER



VALUES

We believe real transformation begins with:



Creativity



Respect



Results



Determination



Transparency



Commitment

OUR SUBSIDIARIES

INKAN POWER

INKAN Holding proudly collaborates with global and regional industry leaders to localize cutting-edge technologies and strengthen Saudi Arabia's industrial base.



كيماويل
CHEMAOIL



تأهيل
TA'AAHEEL



مخيم الخليج العربي للصناعات المعدنية
ARABIAN GULF METAL FACTORY



موريات
MORIAT



إنكان إنترناشيونال
INKAN INTERNATIONAL



انكان باور
INKAN POWER

OUR PRODUCTS

INKAN POWER



145 kV Gas Insulated Switchgear (GIS)



Metal Clad Switchgear



Mobile Substation



Ehouse



Fabricated Substation



Protection Control system



OT Cyber Security



Telecom Solutions with
MPLS- TP



AC/DC Panels



Substation Automation
System

145 KV GAS

INKAN POWER

145 kV Gas Insulated Switchgear (GIS)

Inkan Power proudly delivers advanced 145 kV Gas Insulated Switchgear (GIS) systems engineered for safe, reliable, and space-efficient power transmission. Designed for critical infrastructure, substations, and industrial networks, our GIS technology provides modular solutions to meet the demands of modern energy distribution.



KEY FEATURES

- * Compact Structure
- * High Reliability
- * Maximum Safety
- * Modular Design

TECHNICAL SPECIFICATIONS

- * Rated Voltage: 145 kV
- * Rated Current: Up to 3,150 A
- * Rated Short-Time Withstand Current: Up to 40 kA for 4 seconds
- * Peak Withstand Current: Up to 104 kA
- * Power-Frequency Withstand Voltage (1 min): 275 kV between phases and earth
- * Lightning Impulse Withstand Voltage: Up to 650 kV between phases and earth
- * Switching Mechanism: Advanced three-position switch system for precise circuit control and safety
- * Applicable Standards: IEC 62271-203, IEC 62271-100

APPLICATIONS AND BENEFITS

- 1 | Space Optimization
- 2 | Smart Grid Compatibility
- 3 | Environmental Responsibility
- 4 | Minimal Maintenance

METAL CLAD SWITCHGEAR

Metal Clad Switchgear Solutions

Metal Clad Switchgear from Inkan Power provides robust protection, reliability, and operational flexibility for medium and high-voltage power distribution environments. Engineered with safety and durability as the foundation, our metal clad switchgear meets stringent industry standards and delivers exceptional performance across industrial, commercial, and utility settings.



KEY FEATURES

- * Compartmentalized Protection
- * Withdrawable Circuit Breakers
- * Advanced Safety Interlocks
- * Durable Construction
- * Flexible Configurations
- * Compliance

APPLICATIONS

- * Power Generation
- * Substations
- * Industrial & Commercial Buildings
- * Utilities

MOBILE SUBSTATION

Mobile Substation Solutions

Inkan Power provides advanced Mobile Substation solutions designed for rapid deployment, flexibility, and reliable power delivery in emergency, temporary, and remote applications. A mobile substation is a fully integrated electrical substation mounted on trailers or containers, which allows swift relocation and commissioning to supply power wherever and whenever it is needed.



KEY FEATURES

- * Fast Deployment
- * Flexible Configurations
- * Robust Design
- * Operational Versatility
- * Transportable by Road, Rail, or Air

APPLICATIONS

- * Emergency power supply during substation failures or natural disasters.
- * Temporary power solutions for construction sites, events, or military operations.
- * Grid support for maintenance or upgrade activities.
- * Power supply for remote or off-grid locations.
- * Back-up power for critical infrastructure such as hospitals and data centers.

EHOUSE

Ehouse Solutions

Inkan Power offers state-of-the-art Ehouse solutions—prefabricated, modular electrical houses designed to integrate and protect critical electrical equipment for power distribution and control. An Ehouse is a compact, self-contained unit typically housing medium and low voltage switchgears, transformers, control and protection systems, and auxiliary equipment, all engineered for rapid deployment and reliable operation under diverse environmental conditions.



KEY FEATURES

- * Modular Prefabrication
- * Flexible Configuration
- * Compact Footprint
- * Integrated Systems
- * Advanced Safety
- * Durability

APPLICATIONS



FABRICATED SUBSTATION

Fabricated Substation Solutions

Inkan Power specializes in Fabricated Substations highly engineered, factory-built power distribution units designed for rapid deployment, enhanced reliability, and cost-effectiveness. These pre-assembled substations integrate transformers, switchgear, protection systems, and control panels into a compact, rugged enclosure, streamlining installation and accelerating project timelines.



KEY FEATURES AND BENEFITS



APPLICATIONS

- * Quick power restoration during emergencies or outages.
- * Temporary and permanent installations for industrial plants, mining, and remote sites
- * Renewable energy integration and grid expansions.
- * Urban and space-limited installations requiring compact, noise-mitigated power solutions.

PROTECTION CONTROL SYSTEM

Protection Control System Solutions

Inkan Power's Protection Control System delivers comprehensive protection, monitoring, and automation for critical electrical infrastructure. Purpose-built for substations, power plants, and industrial networks, our solutions combine advanced protective relays, intelligent control, and reliable communication protocols to ensure safe and efficient operation of medium- and high-voltage equipment.

KEY FEATURES

- * Real-Time Fault Detection
- * Integrated Automation & Monitoring
- * Flexible Architecture
- * Cyber-Resilient & Standards-Based
- * Comprehensive Alarm & Annunciation

APPLICATIONS

- 1 * Primary & Secondary Substation
- 2 * Power Generation & Transmission
- 3 * Industrial Networks

OT CYBER SECURITY

OT Cyber Security Solutions

Inkan Power provides cutting-edge OT (Operational Technology) Cyber Security solutions designed to safeguard critical industrial control systems and infrastructure from evolving cyber threats. As operational technologies increasingly integrate with IT networks, protecting OT environments—such as SCADA, DCS, and PLCs—is essential to maintain process integrity, ensure safety, and prevent costly downtime.

KEY FEATURES

- * Risk Assessment & Hardening
- * Secure Remote Access
- * Continuous Monitoring & Anomaly Detection
- * Legacy System Protection
- * Incident Response & Recovery
- * Compliance & Standards



Inkan Power's OT Cyber Security services support diverse sectors including energy utilities, petrochemical plants, manufacturing facilities, water treatment plants, and critical infrastructure operators seeking to secure their operational technology landscape.

TELECOM SOLUTIONS WITH MPLS-TP

Telecom Solutions with MPLS-TP Solutions

Inkan Power offers advanced telecommunications solutions leveraging MPLS-TP (Multi-Protocol Label Switching - Transport Profile), a carrier-grade transport technology designed to meet the high demands of modern mission-critical networks. MPLS-TP integrates the flexibility and efficiency of packet-based networks with the deterministic performance and robust Operations, Administration, and Maintenance (OAM) features traditionally found in legacy transport systems.

KEY FEATURES

- * Deterministic Performance
- * Superior Reliability
- * Robust OAM and Fault Management
- * Centralized Network Management
- * Interoperability
- * Scalability

APPLICATIONS

- 1 * Mission-Critical Networks
- 2 * Mobile Backhaul
- 3 * Metro and Aggregation Networks
- 4 * Carrier Networks

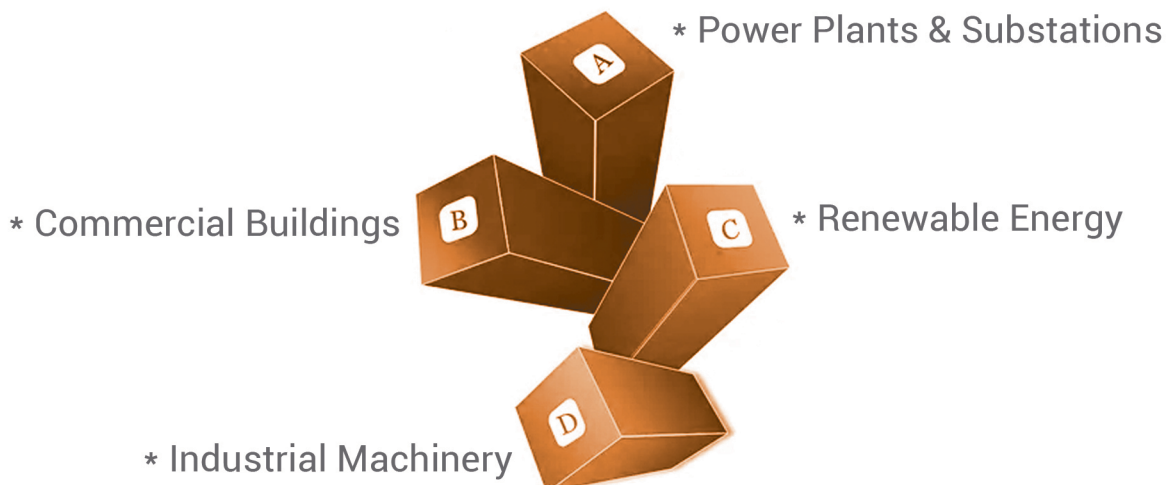
AC/DC PANELS

Inkan Power designs and manufactures high-quality AC/DC panels tailored for effective power distribution and control in industrial, commercial, and utility environments. Our panels offer reliable conversion, distribution, and management of alternating current (AC) and direct current (DC) power essential for operational continuity and safety in complex electrical systems.

KEY FEATURES

- * Robust Construction
- * Versatile Configuration
- * Advanced Protection
- * User-Friendly Design
- * Compliance & Standards
- * Energy Monitoring

APPLICATIONS



SUBSTATION AUTOMATION SYSTEM

Inkan Power's Substation Automation System (SAS) transforms traditional power substations into intelligent, efficient, and highly reliable facilities by integrating advanced digital technologies with conventional electrical infrastructure. Our SAS solutions enhance power grid performance, reduce operational costs, and improve system reliability through real-time monitoring, control, and automation.

COMPREHENSIVE AUTOMATION COMPONENTS

- * Intelligent Electronic Devices (IEDs)
- * Communication Networks
- * Human-Machine Interface (HMI)
- * CADA Integration
- * Data Servers and Gateways

FUNCTIONAL LEVELS OF SAS

- * Station Level
- * Bay Level
- * Process Level

BENEFITS OF SUBSTATION AUTOMATION

- * Enhanced Reliability
- * Improved Safety
- * Operational Efficiency
- * Real-Time Data Access
- * Scalability and Flexibility

OUR PARTNERSHIP WITH



SAUDI ELECTRICITY COMPANY_NGSA - 145KV GIS Approval Letter_page-0001

FROM:		TO:	
Standards & Specifications Department Granada Building # A2, 12 th Floor, Riyadh		METS/ LS Korea PO Box # 4323, Riyadh-11491	
FAX No: (011) 8077397	رقم الفاكس	FAX NO: 01 2424924	رقم الفاكس
TEL. NO: (011) 8077390	رقم الاتصال	REF. NO. SEC COA/PQ-145kV GIS-20131222	إشارة
REF. NO. 13-07921-2-30504401	إشارة	Subject:	الموضوع
DATE: 6 th January 2014 (05 Rabi I, 1435)	التاريخ	Prequalification of LS Industrial Systems Co. South Korea for 145kV, 40kA GIS Type GESG-1440-NHS: Specification # 32-TMSS-02 Rev. 01	
NO. OF PAGES: 1	عدد الصفحات		

Attn: Mr. W.K. Kwon: General Manager: wkkwon@mets.com.sa

Based on the satisfactory technical evaluation, the confirmations received on extended warranty, the satisfactory completion of Plant survey and Type Tests Witnessing by SEC/National Grid SA Engineers, we are proceeding to include **LS Industrial Systems Co. Ltd. South Korea in the unified list of "Technically Acceptable Manufacturers and Manufacturing Plants of SEC/National Grid sa"** for GIS rated for 145kV, 40kA per specification # 32-TMSS-02 Rev. 01, subject to the following:

- Extended Warranty:** Ten (10) years Extended Warranty shall be applicable for the GIS to be supplied to SEC/National Grid SA as confirmed through Letter # NIL dated 25th November 2013 (copy enclosed).

This manufacturer is technically prequalified to participate in any bidding for the supply of the above mentioned product(s) to SEC/National Grid sa. This should not be interpreted as an approval of any specific product(s) from this Manufacturer. Proposed product(s) from this Manufacturer will be evaluated and will only be considered technically acceptable if they meet the prevailing specification and test requirements of SEC/National Grid sa.

If you have further queries, please contact Eng. Majed A. Al-Suhaibani, Division Manager, P&SFD at phone number 011 8077530 or Eng. E.A. Mathew at Phone number 011 8077398.

Eng. SULAIMAN N. AL-DOSARI
Department Manager, S&SD

MAS/EAM:

Cc: Division Manager: STDSSDV@ngrid.sa
Pre-Qualification File
P&SFD File
Route: MAS/EAM-File

SAUDI ARAMCO - 132KV GIS Approval Letter_[SRK-045-19_L047-19]

Aramco Asia Korea Limited
02(21) 61-001 2810(9) 0(218)4
4W, Three FC, 10, Gajungjeong-ro,
Yongin-gu, Gyeonggi-do, Seoul, 07320 Korea
Tel: 82-21-6270-5555
Fax: 82-21-6270-5592

November 11, 2019
Letter Ctr # SRK-045-19 / L047-19

LSIS CO LTD_CHEONGJU FACTORY 2
68, WOLMYEONG-RO 201 BEON-GIL, HEUNGDEOK-GU
CHEONGJU-SI, CHUNGBUK, 28437
SOUTH KOREA

Subject: Quality Management System Approval Status

Technical & Quality Assessment Dates: July 15-16, 2019
Reference: Sales ID: 10056620; Manufacturer ID: 10064939; Plant ID: 30008577

Dear Sirs,

Aramco Asia Korea is pleased to advise you that your company's Quality Management System is approved to supply the attached list of commodities (9COM's) that have been linked to your Plant ID No. 30008577.

This approval is granted for your manufacturing plant (68, WOLMYEONG-RO 201 BEON-GIL, LUNGDEOK-GU, CHEONGJU-SI, CHUNGBUK, 28437, SOUTH KOREA) and your company is expected to continue complying with Saudi Arabian and Saudi Aramco Standards.

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you. However, your company will have the opportunity along with other approved suppliers to respond to requests for submitting proposals in accordance with established policies and procedures.

Aramco Asia Korea would like to take this opportunity to thank you for your interest in doing business with Saudi Aramco. Please use the above referenced Sales ID, Manufacturer ID and Plant ID on all future written correspondence.

Regards,
24/01/2019

Nawwaf S. Al-Amri
Deputy Managing Director
Strategic Sourcing & Suppliers Relationship Management
Aramco Asia Korea Ltd.

It is the responsibility of the manufacturer to notify Aramco Asia Korea of the following:
1. Change of company's Name/Address/Contact details-person, phone number, email address
2. Any change of manufacturing location (Isb sourcing fabrication of major components)
3. Discontinuance of fabrication of approved 9COMs

Attachment 1

Approved 9COM(s):

9COM	DESCRIPTION	LIMITATION
6000012716	SWITCHGEAR; SF6 GAS TYPE, 115 KV, 132 KV INDOOR, ANY BIL, 32-TMSS-02, GAS INSULATED SWITCHGEAR	1. 40 kA, 3150 A. 2. GIS model GESG-1440-NHS, Circuit breaker type GESB-1440-NHS, Bus Bar DS/ES (three position) GESG-1440-ACSB, Line side DS/ES (three position) GESG-1440-ACSF, HES GESG-1440-MSES 3. 10 Years Extended warranty

(The end of list)

OUR PARTNERSHIP WITH

LS ELECTRIC

NWC Approval



سلسلة الإمداد - المركز الرئيسي
رقم المعاملة: 1447/515/14016
تاريخه : 29/07/2025
المرفات :



شركة المياه الوطنية
National Water Company

شهادة اعتماد المواد
Material Approval Certificate

Type Approval نوع الاعتماد	New Approval / اعتماد جديد / Renewal Approval / تجديد اعتماد	√	Certificate Number / رقم الشهادة
Date / التاريخ (MM/DD/YY)	0/0/2025		2025-49815-01
Manufacturer Number / رقم المصنع	49815		Valid From
Manufacturer Name / اسم المصنع	LS ELECTRIC Co		July/2025
Country / البلد	South Korea		Valid To
Address / العنوان			July/2027
Local Representative / الممثل المحلي	شركة ال اس الكترتك ميديل ايست للتسويق		
Local Rep. Vendor # رقم الممثل المحلي	49816		

NWC certify that the manufacturer has completed all qualification requirement in the following category
تشهد شركة المياه الوطنية أن المصنع قد أكمل جميع متطلبات التأهيل في الشركة في الفئة التالية

Category	Product Series	Sizes	Description
LV Switchgear	METASOL SUSOL	As per project design and NWC Specification	Molded Case Circuit Breakers
	METASOL		Miniature Circuit breaker
	METASOL SUSOL		Air Circuit Breakers
	METASOL SUSOL		Contactors & Overloads Relay
	METASOL		Manual Motor Starters
	RCCB, RCBO		Residual Current Circuit Breakers & With Overcurrent Protection
	SUSOL, EMSOL		Low Voltage Switchgear
MCC	SOLUTION 2000 MCC	Motor Control Center	
MV Switchgear	MCSG	Medium Voltage Switchgear	

Conditions:

- The aim of this certificate is to qualify the manufacturer to participate in new projects or maintenance projects.
- The prequalification process is subjected to assessment and review periodically.
- NWC has the right to assess the manufactory during the validation period or during production process.
- All equipment requires an approved third-party test before installation at the site to ensure meeting project specification.
- NWC does not bear any cost / expense related to manufacturing assessment, Product validation test or Factory Acceptance Test (FAT).
- This certificate is owned by NWC. NWC has the right to cancel this certificate if the qualified manufacturer does not comply with qualification terms, project specifications or if there are repeated product failures during the operation.
- For validity of the certificate, please visit the list of approved materials or Contact with the Vendor Relationship Department.
- In case that one of the quality and non-toxicity certificates has expired, this certificate will be considered invalid

This certificate supersedes all previous certificates and approved sizes.

Supply Chain General Manager
Eng. Sammer Mohammed Alumrani

مدير عام سلسلة الإمداد
المهندس / سامر محمد العقراني

٢٩ يوليو ٢٠٢٥

NWC-Material Approval-Form-04-V1

Headquarter: المركز الرئيسي: +966 11 4409444
TEL: هاتف: 11 4409444
Email: info@nwc.com.sa بريد إلكتروني: info@nwc.com.sa

صندوق بريد: 676 الرياض 11421
P.O. Box: 676 Riyadh 11421

المملكة العربية السعودية - الرياض
Kingdom of Saudi Arabia - Riyadh
طريق الملك فهد - King Fahad Road

@NWCcare www.nwc.com.sa 920001744

SAUDIZATION & HUMAN CAPITAL DEVELOPMENT

We are deeply committed to nurturing Saudi talent through training, mentorship, and leadership development programs.

Our Saudization strategy ensures that local professionals play a central role in driving innovation and achieving excellence within every INKAN project.



SUSTAINABILITY & RESPONSIBILITY

INKAN Power believes that true progress must be sustainable.

We adopt environmentally responsible practices and invest in green technologies that support the Kingdom's sustainability goals while creating long-term economic value.






THANK YOU

 +966 053 55 75 006

 www.inkanpower.com.sa

 info@inkanpower.com.sa

 Al Turki Business Park, King Saud
Rd,Dhahran 34455 P.O. 3302,
Saudi Arabia

