



VOLTAGE & CURRENT

RELIABLE POWER

CEO Message

With the current volatility in the global market in the sense of economy activity and uncertainty, we have a robust economy in Saudi Arabia driven by solid initiatives, and we see new demand patterns for energy efficiency, green energy and optimizing engineering solutions.

We consider ourselves lucky to operate in Saudi Arabia since it's considered one of the biggest markets in energy & power. We strive for perfection upon completion and understanding the importance of expanding with ease in existing and emerging markets.

The Saudi Market is a very tough & a competitive market, however the main reason behind our success is how we blend the strength of our product portfolio with excellent services in terms of top class execution, reliable after sales services and maintaining a very strong customers-sales relationship.

Voltage & Current Energy Co. orchestrated several complicated projects with excellence and pioneering customer satisfaction, mixing & matching of our resources with our global partners and taking advantage of the strong characteristics of each in the cooperation. Working relentlessly to improve our services & with the belief in our highly qualified team and their continuous contributions we were able to deliver results by promoting our solutions. With our market intelligence, sales team and expertise in all power fields we create the value for our customers and increase our competitive edge.



Introduction

Voltage & Current Energy Co. has an international market presence working in trading power and automation technologies/products. Voltage & Current Energy Co. is the exclusive agent for many manufacturers around the globe in the field of energy, with our global partners, contracting services and trading operations covering all the needs of utilities, contractors, industries, oil & gas and other customers.

Voltage & Current Energy Co. offers you engineering solutions for your electrical consumption, power needs and construction requirements. With our reliable & capable staff and on the spot response we assure you the greatest extent of customers' satisfaction. One of the main objectives is to be the best in our field of expertise showing flexibility, innovation, processing a positive approach in all our undertakings, providing the best products/services in the most competitive prices, along with expanding our product portfolio and customer base as top priorities, paving the way to be a dynamic organization in the industrial revolution in the region under the vision 2030.

Voltage & Current Energy Co. is present with lifecycle portfolio & services / maintenance activities for the following equipment & systems:

- ◆ HV GIS.
- ◆ MPT & LPT Transformers including Oil distribution Transformers & Dry type.
- ◆ Retrofit of Medium Voltage Circuit Breakers.
- ◆ Retrofit of Low Voltage Systems & Panels.
- ◆ Complete Turnkey Electrical Solutions.
- ◆ Complete Turnkey Construction works.
- ◆ Low Voltage Panels.
- ◆ Medium Voltage Switchgear.
- ◆ Motors and Generators.
- ◆ Communication and SCADA.
- ◆ Underground cabling and Transmission lines.
- ◆ Drives.
- ◆ Relays.
- ◆ MCCs.

Voltage & Current Energy Co. utilizes assigned qualified staff using full range of state-of-the-art standard and special equipment, to deliver the best quality of services to the customers.

Voltage & Current Energy Co. Service Portfolio

Installation of electrical and automation systems for industries, power generation & water utilities and oil & gas.

Retrofit, migration, modernization and replacement, maintenance, inspection, overhauling and repair.

Long term maintenance contracts.

Supplying of spare parts and logistics support, for current existing lines and obsolete items.

Preventive maintenance and 24 / 7 hotline.

Why Voltage & Current Energy Co.?

Customer oriented technical end engineering solution

High quality services

State of the art technology

Quick response

Highly qualified resources

OUR CLIENTS



الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.



الشركة السعودية للكهرباء
Saudi Electricity Company

المؤسسة العامة للحبوب
Saudi Grains Organization (SAGO)
الهيئة العامة للغلال السعودية



المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation



SIEMENS



شركة المطاحن الثانية



ميناء الملك عبدالله
King Abdullah Port



SANS
خدمات الملاحة الجوية السعودية
Saudi Air Navigation Services



MITSUBISHI



المواصفات السعودية
Saudi Standards



سبكيم
Sipchem
everywhere



VERTIV



SSOM
Saudi Services for Electro-Mechanical Works Co., Ltd.



GEDAC
ELECTRIC



مرفق
MARAFIQ



اسمنت
نجران



اسمنت العربية
Arabian Cement



Transformers & Services



Voltage & Current Energy Co. is a leading supplier of a wide range of transformers. Providing customers with lifetime support for its products portfolio ranging up to 380 kV and up to 1,000 MVA.

Supported Product Portfolio:

- ◆ Power and distribution transformers
- ◆ Oil and dry type transformers
- ◆ Generator step-up
- ◆ HVDC phase shifting, traction and arc furnace transformers
- ◆ Shunt reactors and rectifiers

Installation Services:

- ◆ Dismantle, removal and relocation
- ◆ Site supervision erection & assembly
- ◆ Site supervision erection and assembly
- ◆ Testing of ail components, function test & operation check of protection & control
- ◆ Supervision during start up
- ◆ Oil testing, filling & filtration

Supported Services:

- ◆ 24/7 emergency hotline
- ◆ Maintenance contracts
- ◆ On-site & factory training

Corrective & Preventive Services:

- ◆ Emergency service contracts
- ◆ Supply of spare parts
- ◆ On-site & workshop repair, troubleshooting & field services
- ◆ Planned preventive maintenance
- ◆ Oil analysis, processing and replacement
- ◆ Active parts drying by LFH
- ◆ Tap changer maintenance and overhauling
- ◆ Thermal scanning

Added Value Services:

- ◆ Transformer diagnosis & condition assessment program including regular & advanced diagnostics such as FRA, DFR & PDA
- ◆ Transformer oil monitoring
- ◆ Complete overhaul and refurbishment
- ◆ Modification, retrofit and cooling system & capacity upgrade
- ◆ Passivation of corrosive oil

Medium Voltage Products & Services



Medium Voltage Products & Services



Voltage & Current Energy Co. is a leading supplier of a wide range of world class medium voltage products and switchgear with integrated protection & control. Providing customers with lifetime support for its product portfolio:

Our Supported Product Portfolio:

- ◆ Primary air & gas insulated switchgear
- ◆ Secondary switchgear and ring main units
- ◆ Medium voltage apparatus
- ◆ Distribution protection and control
- ◆ Outdoor switchgear
- ◆ Modular systems and compact substations
- ◆ Low & Medium voltage capacitor banks for power factor improvements
- ◆ SCADA systems

Installation Services:

- ◆ Decommissioning and removal of old switchgear
- ◆ Site supervision of installation and assembly of new switchgear
- ◆ Testing of all apparatus, function test & operation check of protection & control
- ◆ Commissioning, supervision during start-up and energizing of switchgear

Support services:

- ◆ 24 / 7 Emergency hotline
- ◆ Maintenance contracts
- ◆ On-site Training

Added Value Services:

- ◆ Retrofit and upgrade of protection, control and communication systems
- ◆ Complex overhaul and refurbishment of switchgear
- ◆ Retrofit of circuit breakers, type-tested retrofit solutions for over 120 different manufacturers and phased our products.

Corrective & Preventive Services:

- ◆ Emergency service contracts
- ◆ Supply of spare parts
- ◆ On-site repair, troubleshooting & field services
- ◆ Planned preventive maintenance
- ◆ Shut down maintenance and support thermal scanning



Low Voltage Products & Services

Voltage & Current Energy Co. is a leading supplier of a wide range of world-class low voltage products and switchgear with integrated protection & control. The offering covers a number of products and services including control products, MCC, LV Switchgear, enclosures, wiring accessories and circuit breaker switches. Such products help our customer to save energy, improve productivity and increase safety. Voltage & Current Energy Co. provides customers with lifetime support for its product portfolio.

Low Voltage Product Portfolio:

- ◆ Low voltage box type enters for motor control and distribution
- ◆ Control cubicle and products include contactors, soft starters, arc monitor manual motor starters relay, sensors, timers & electronic products
- ◆ Batteries
- ◆ Breakers ACB, MCCB and MCB
- ◆ Low voltage capacitor banks
- ◆ Switches
- ◆ Low voltage panels
- ◆ IEC & ANSI Switchgear

Installation Services:

- ◆ Decommissioning and removal of old switchgear
- ◆ Site supervision of installation
- ◆ Installation and assembly of new switchgear
- ◆ Testing of all apparatus, function test & operation check of protection & control
- ◆ Commissioning & energization of switchgear
- ◆ Supervision during start up

Support Services:

- ◆ 24 / 7 Emergency hot line
- ◆ Maintenance contracts
- ◆ On-site training

Corrective & Preventive Maintenance:

- ◆ Emergency service contracts
- ◆ Supply of spare parts
- ◆ On-site repair, troubleshooting & field services
- ◆ Planned preventive maintenance
- ◆ No shutdown maintenance and support

Added Value Services:

- ◆ Retrofit & upgrade of protection, control & communication systems
- ◆ Complete overhaul and refurbishment of switchgear
- ◆ Site modification extension
- ◆ Retrofit kits of circuit breakers
- ◆ Air circuit breaker kit
- ◆ Hyper retrofitting kit
- ◆ Molded-case retrofitting kit



Sub Station Structural Work:

- ◆ Soil Stabilization & Earth work
- ◆ Thermo-weld grounding grid
- ◆ RCC Retaining Walls
- ◆ RCC framework
- ◆ CMU Work
- ◆ Pre-stressed TT & Hollow Slabs
- ◆ Waterproofing & Roofing System
- ◆ Battery Rooms
- ◆ Raised Floors

Electromechanical Work:

- ◆ Heavy Steel Structure
- ◆ Light steel Structure
- ◆ Overhead gantry Crane
- ◆ GIS Installation
- ◆ Switchgear Installation
- ◆ Generator Installation
- ◆ Electric Control Gates
- ◆ Capacitor bank Sheds
- ◆ Parking Shed

Electrical & Mechanical Rooms:

- ◆ Foundation Pads
- ◆ POL Tanks Enclosures
- ◆ Tower Foundations
- ◆ Tower Installation
- ◆ Trenches
- ◆ Auto control Louvers
- ◆ Fire Rated Doors
- ◆ Fire suppression System
- ◆ Epoxy Flooring

Infrastructure Works:

- ◆ Embankments
- ◆ Hard Standings
- ◆ Carpet Roads
- ◆ Signage Work
- ◆ Precast Boundary Walls
- ◆ Slope Protection Work



Drives & Motors Services

Voltage & Current Energy Co. is a leading supplier of a wide range of drives & motors technologies. The offering covers a variety of products and services that includes low voltage & medium voltage drives & motors, power electronics, AVRs and excitation systems. All these products help our customers to save energy, improve productivity, increase safety and reduce operational costs.

Our Supported Product Portfolio:

- ◆ AC Drives (Low & Medium Voltage)
- ◆ DC Drives
- ◆ AC Motors (Low & Medium Voltage)
- ◆ DC Motors (Low & Medium Voltage)
- ◆ DC Motors & Servo Motors
- ◆ Excitation systems
- ◆ Power electronics

Installation Services:

- ◆ Site supervision of installation
- ◆ Commissioning services for drivers & motors
- ◆ Testing & functional check
- ◆ Troubleshooting on-site and workshop repairs for drives & motors
- ◆ Drivers & motors supervision & monitoring

Support Services:

- ◆ 24 / 7 Emergency hotline
- ◆ Preventive maintenance and service contracts
- ◆ Training for all products

Corrective & Preventive Services:

- ◆ Emergency on call services
- ◆ Supply of spare parts
- ◆ On-site repair, troubleshooting
- ◆ Field services
- ◆ Planned preventive maintenance
- ◆ Shutdown maintenance & support

Added Value Services:

- ◆ Retrofit & upgrade of old motors & drives
- ◆ Supply of spare parts
- ◆ Testing and measurements
- ◆ Life expectancy analysis program for motors
- ◆ Application engineering for customer specific solution
- ◆ On-site training
- ◆ Spare parts inventory management
- ◆ Site survey for installed base condition audit



Substation Products & Services



With **Voltage & Current Energy Co.** Global partner's experience and systems, we developed a full range of lifecycle services to ensure optimum performance of the installed systems

Installation Services:

- ◆ Site supervision of installation.
- ◆ Installation and assembly of new systems
- ◆ Function test & operation check of protection and control systems.
- ◆ Testing, commissioning and energization
- ◆ Supervision during start up.

Support services:

- ◆ 24 / 7 Emergency hotline
- ◆ Maintenance contracts
- ◆ Training

Preventive Services:

- ◆ Routine Inspection & preventive maintenance
- ◆ Shut down maintenance & support
- ◆ Thermal scanning

Corrective Services:

- ◆ Supply of spare parts
- ◆ Repair & troubleshooting
- ◆ Emergency service contracts
- ◆ Field services

Added value services:

- ◆ Diagnosis & consulting a condition assessment & monitoring
- ◆ Retrofit & upgrade of protection, control and communication systems
- ◆ Life extension refurbishment