

***ELECTRONIL***

INTEGRATED POWER SOLUTIONS

FOR HEALTHCARE FACILITIES

We are nearly 30 years in the Egyptian markets, and only getting better. For the last two decades, we have engineered and shaped the future, redefining what power means to people's lives, careers and lifestyles.

# POWER IS WHAT WE DO

## WHY ELECTRONIL!

We are a group of fearless thinkers, driven to empower people all over the nation – with reliable, revolutionary generators, power systems and power solutions.

We exist for one reason: **to move you forward.**

لدينا ما يقرب من ٣٠ عاماً من الخبرة في الأسواق المصرية،  
ونعمل في تقدم دائم. على مدار العقود الزمنية الماضية، قمنا  
بتصميم وصياغة المستقبل، وإعادة صياغة المعنى الحقيقي  
للطاقة الكهربائية لحياة عملائنا وأعمالهم وأنماط حياتهم.

# WE WHAT WE DO

## لماذا تختار منتجات إلكتروني!

نحن مجموعة من المفكرين لا يخافون الابتكار، مدفوعون بشغف  
تمكين عملائنا في جميع أنحاء البلاد - بمحطات توليد طاقة  
إعتمادية وموثوقة، بالإضافة إلى أنظمة وحلول متكاملة للطاقة.

نعمل بجهد لسبب واحد: للحفاظ على تقدمكم.

# OUR STORY

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A Magnificent force in power solutions since 1995, ELECTRONIL™ POWER SOLUTIONS is committed to reliable, intelligent products, advanced engineering and responsive after-sale support.

Over the years, we have amplified our well-known reputation to be a leader known for its premium range of generator-sets and control systems. Together, with building on the legacy of a leading brand, to create one of the largest generator-set and control systems providers in Egypt—and continued an unwavering focus on reliable power systems and innovation.

We deliver integrated industrial power systems for emergency, prime and continuous applications throughout whole Egypt—from data centers and hospitals to water treatment and hospitality facilities. With a deep understanding of your industry, we excel in designing customized power systems that simplify your most complex challenges.



# من نحن

تُعد شركة إلكترونيك لحلول الطاقة المتكاملة قوة رائدة في مجالات حلول الطاقة الكهربائية منذ عام ١٩٩٥، ومنذ ذلك الحين ونحن نلتزم بإمداد عملائنا بمنتجات موثوقة وذكية ومتطورة هندسياً بالإضافة إلى دعم سريع الاستجابة لخدمة ما بعد البيع والصيانة.

على مر الأعوام، ضاعفنا من سمعتنا المعروفة لكوننا من أكبر الكيانات الرائدة والمعروفة بمنتجاتها المتميزة من وحدات توليد الطاقة الكهربائية وأنظمة التحكم والحماية والتشغيل. بالإضافة إلى، واستناداً إلى إرث علامة تجارية رائدة، قمنا بإنشاء واحد من أكبر مزودي الأسواق المصرية بأنظمة الطاقة المتكاملة وأنظمة تحكم وتشغيل وحماية إعتمادية وموثوقة على مستوى جمهورية مصر العربية - واستمر التركيز المستمر على إبتكار أنظمة طاقة متكاملة وموثوقة.

نقوم بتقديم أنظمة توليد طاقة صناعية متكاملة لتطبيقات الطوارئ والمحطات الرئيسية والطاقة المستمرة في جميع أنحاء جمهورية مصر العربية - من مراكز المعلومات والمستشفيات إلى محطات معالجة مياه الشرب والصرف الصحي والفنادق. بدراسة وفهم عميق لمجال عملك، نتميز في تصميم أنظمة طاقة متكاملة ومتخصصة والتي تعمل على تبسيط التحديات الأكثر تعقيداً التي يمكن أن تقابلك.



# TOTAL SYSTEM INTEGRATION

**Everything works together, Just as it should.**

A Power System is only as good as the parts that define it. That's why we engineer every detail down to the last bolt. From generators and power transfer switches to paralleling systems and switchgear and controllers, everything works together seamlessly. Because we design, engineer and test it that way.

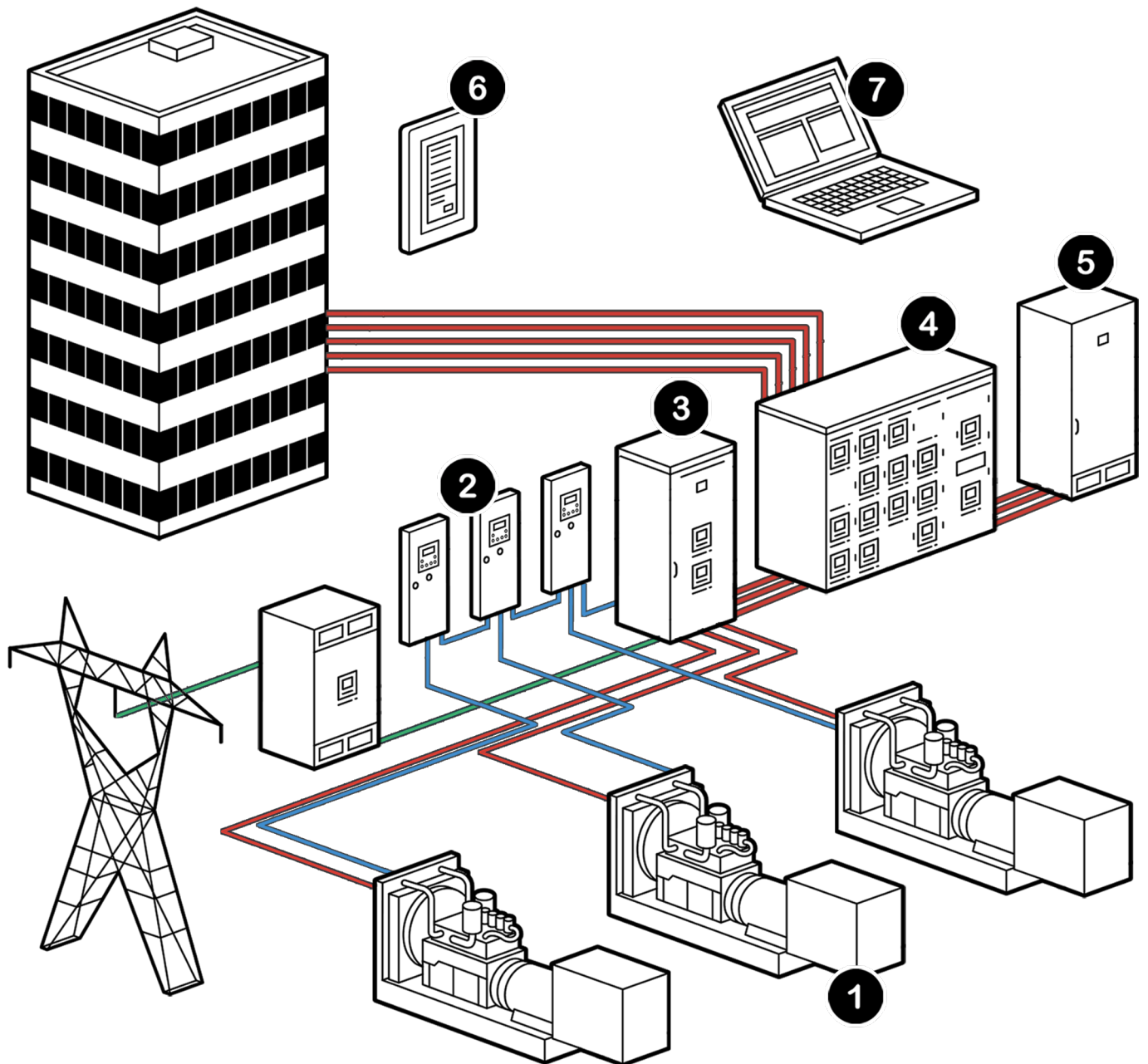
That's the **ELECTRONIL** difference.

**Good news:** There is more, behind that power system, there is a team of dedicated engineers that focuses on every element-generators, power transfer switches, switchgears and control systems-to be sure that the system you get is the system you need. You will know that your project is supported by an expert team, customized to your exact needs, brought in on budget and on time.

***From spec to start-up to service, we do it all.***







## TOTAL SYSTEM INTEGRATION

- 1 ED™ SERIES DIESEL GENERATOR SETS**  
 Powered by Perkins, Volvo-Penta, Cummins or Baudouin Diesel Engines, 9 - 3000 kVA
- 2 ENCP™ 9.1 GENERATORS PARALLELING SYSTEM**  
 2-32 generator set can be paralleled with automatic power management and automatic engine run-hour balancing.
- 3 ENCP™ 9.3/ENCP™ 6.x POWER TRANSFER SWITCH**  
 Dedicated for parallel control systems, standard, bypass-isolation and service-entrance switch configurations.
- 4 ELECTRONIL™ POWER DISTRIBUTION PANEL**  
 Up to 6000 Amps.
- 5 ELECTRONIL™ POWER FACTOR CORRECTION SYSTEMS**  
 Up to 15 steps.
- 6 REMOTE ANNUNCIATOR**  
 Optional remote system monitoring.
- 7 MONITORING SOFTWARE**  
 Monitors generators and control systems from a PC and Smart Phones (Optional) Modbus or Ethernet.

A photograph of two surgeons in an operating room. They are wearing blue scrubs, blue bouffant caps, and light blue surgical masks. They are focused on a patient, with their hands visible at the bottom right. In the background, there is a large circular surgical light and a monitor displaying vital signs, including the number 49. The overall scene is brightly lit and clinical.

## **Anyone Can Power Your Hospital, WE WILL POWER YOUR FUTURE.**

Healthcare is changing rapidly, and hospital and clinic staff are working hard to improve patient outcomes while simultaneously controlling costs. It is not a simple task, and it's one that's brought even more high-tech solutions to medical facilities. With this new technology comes an increased need for reliable, 24/7 backup power.







## Assessing Facility Needs

Given the fact that power can be a life-sustaining necessity in the hospital setting, reliable backup power is essential. To provide a “No-Break” power supply (uninterruptible power with zero service interruptions), two independent power sources provide redundancy and risk reduction, rather than depending on a single source of inbound power.

### Power Supply

Redundancy is an essential design feature in a hospital setting to ensure operating rooms keep running without disruption, medications are safely preserved and environmental control systems continue to function and protect against the spread of disease. To prevent interruptions to the power supply, all components, including the emergency systems, are installed in duplicate with multiple generator sets.

### Response Time

Healthcare facilities have power needs 24/7, so there is no time to wait for a response team. They need a service team that can provide timely emergency recovery no matter where the power system is installed.

### A Carefully Controlled Environment

To keep the healthcare environment operating in a safe manner, environmental control systems regulate indoor air quality (IAQ), temperature, humidity, airborne organisms and air pressure. These systems must be up and running at all times, which can require significantly different backup power systems for a large hospital vs. a small clinic.



# THINKING BEYOND HOSPITALS

ELECTRONIL™ Makes it easy. From planning to post-installation, our team will take care of you every step of the way-with a power solution customized to your needs.

## POWER CONSIDERATIONS

### UPTIME AND RELIABILITY

Designing power systems that meet requirements for the highest levels of uptime requires expert attention to system architecture and equipment redundancy. Getting the right combination of uninterrupted power supply and generator sets is crucial to meet your facility's needs.

### PERFORMANCE

A reliable power system plays a major role in helping health-care facilities prevent environmental and health disasters.

### REDUNDANCY

Redundancy is an essential design feature built into health-care facilities of all sizes, with essential components duplicated in the event that one component fails. While a facility might install a single large generator to meet its power needs, paralleling two or more generators with paralleling switchgear offers practical benefits and advantages over a single-generator system.

Generator sets should start providing backup power within seconds of a break in utility power supply, and transfer switches should provide seamless automatic switching between the electrical power from the utility and the backup power system.



All data provided in this document is non-binding. This data serves informational purposes only and is especially not guaranteed in any way. Depending upon the subsequent specific individual projects, the relevant data may be subject to changes and will be assessed and determined individually for each project. This will depend on the particular characteristics of each individual project, especially specific site and operational conditions.

Learn more at [electronil.com/healthcare](https://electronil.com/healthcare)

POWER GENERATORS | POWER TRANSFER SWITCHES | PARALLELING SYSTEMS | SWITCHGEARS | CONTROLS  
GENERATOR MAINTENANCE | SERVICE AGREEMENT | CONTROL SYSTEM UPGRADE | SPARE PARTS | CONSUMABLES

***ENGINEERING THE FUTURE SINCE 1995.***



***ELECTRONIL INTEGRATED POWER SOLUTIONS***

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