

**ENERGY & POWER**  
**COMPANY PROFILE**



For over 40 years, SSS has been a reliable partner in excellence, completing over 1,500 projects annually across more than 10 countries with a focus on quality and precision.

With a combination of professionalism, expertise, commitment, and skill, SSS has become the key to success. Quality is not just a promise; it's our legacy!

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WELCOME TO  
**NEXT LEVEL**  
LIVING

Antelias, Seaside, Beside AISHTI, SSS Bldg.  
Bchamoun, Behind Louise Wegmann, SSS Bldg.



## CERTIFIED BY



### Our Services



Panel Builder



Solar System



Automation Systems



Energy Audit



Stabilizers & UPS



Electrical Design for High-End residential and factories

### WHY CHOOSING US?

- ✓ *Commitment to Excellence*
- ✓ *Innovative Solutions*
- ✓ *Strong Industry Network*
- ✓ *Proven Expertise*
- ✓ *Reliability and Trustworthiness*
- ✓ *Safety and Compliance*





We specialize in designing and building Main Distribution Boards (MDB), providing efficient, high-quality electrical distribution solutions tailored to industrial and commercial settings.

Our expertise also extends to the design and construction of Automatic Transfer Switch (ATS) panels, ensuring seamless power transfer between primary and backup sources for critical systems.



Additionally, we offer custom-designed pumping panels that are specifically engineered to manage and control the operation of pumps in a wide range of applications, ensuring reliability and performance even in the most demanding environments



Made in Belgium 



Experience the future of smart buildings, where technology effortlessly enhances your lifestyle.

With our **KNX** automation solutions, seamlessly control lighting, climate, security, and more, transforming your space into a modern, energy-efficient environment that boosts comfort and reduces costs.



Made in Belgium 



### Maximize Efficiency, Minimize Costs with KNX Automation

Implementing KNX automation significantly boosts energy efficiency and reduces operational costs, all while supporting a sustainable future. This intelligent solution not only ensures long-term savings but also enhances system performance, making your operations more efficient, eco-friendly, and cost-effective for the long run.

SMART, Yet Elegant!



## A SPECIALIST IN POWER ELECTRONIC | POWER FOR LIFE



Makelsan's stabilizers are engineered to provide reliable, high-performance solutions for protecting sensitive equipment from voltage fluctuations. With advanced technology and precision engineering, Makelsan ensures stable power quality, enhancing the efficiency and longevity of your systems.

Trust in Makelsan for dependable, cutting-edge power protection solutions tailored to meet the demands of today's dynamic environments.



### Complete Energy Solutions Provider

LEADING MANUFACTURER OF UNINTERRUPTIBLE POWER SUPPLIES SINCE 1976



## Unstoppable Power, Unmatched Protection

Elevate your performance with solutions designed to keep you moving forward, no matter the challenge.

With reliability and innovation at the core, we ensure you're always powered up and ready to take on what's next.

Trust in the strength that supports your success—efficiency, durability, and peace of mind, all in one.



- ✓ HIGH POWER FACTOR
- ✓ LOW INPUT CURRENT THD (<3%)
- ✓ SAVES ELECTRICITY

Our commitment to quality and advanced technology ensures maximum uptime and peace of mind for businesses worldwide.



Unlock the future of energy with Deye Inverters – where cutting-edge solar technology meets the power of lithium. Experience efficiency, reliability, and sustainability all in one sleek, high-performance solution.

## Innovation and Reliability

Providing multifunctional solutions for residential and C & I application scenarios

- ◆ **High Efficiency:** Maximizes energy conversion, providing more power with less loss.
- ◆ **Reliable Performance:** Designed to perform consistently under various environmental conditions.
- ◆ **Smart Monitoring:** Real-time monitoring via mobile apps or web platforms for easy tracking of energy production and consumption.
- ◆ **Long Battery Life:** Optimized for solar lithium batteries, ensuring durability and extended lifespan.
- ◆ **Easy Installation:** Quick setup with user-friendly interfaces and plug-and-play options.
- ◆ **Safety Features:** Built-in protections like overvoltage, overcurrent, and short circuit safeguards.
- ◆ **Scalability:** Can easily be expanded to accommodate growing energy needs.

**FLUKE**

Driven by innovation and a commitment to excellence, we provide world-class solutions that transform industries, enhance efficiency, and set new standards in quality and performance.

# Power Quality Analyzer



# Power Quality Analyzer

## Perfecting Performance, Protecting Efficiency!

### Comprehensive Power Quality Analysis & Solutions

At SSS, we specialize in delivering end-to-end **power quality analysis** to ensure the efficiency, reliability, and longevity of electrical systems. Our expertise spans across design, monitoring, diagnostics, and corrective solutions, addressing a wide range of power-related challenges.



### Power Quality Design & Engineering

- Integration of power quality considerations in new and existing electrical systems.
- Mitigation strategies for harmonics, voltage imbalances, and reactive power issues.
- Carrying out load flow analysis to optimize energy distribution and eliminate inefficiencies.

### Real-Time Monitoring & Diagnostics

Advanced power quality monitoring detects disturbances like voltage sags/swells, flicker, transients, and harmonics, while detailed energy audits identify inefficiencies and reduce operational costs, and data-driven insights enable proactive maintenance and system optimization.

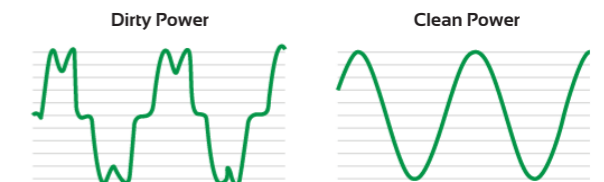
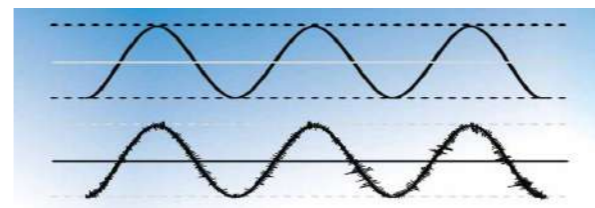
### Power Quality Improvement & Corrective Solution



Installation of surge protection devices to prevent equipment damage.

Implementation of filtering and conditioning solutions to remove harmonic distortions.

Voltage regulation and balancing to ensure steady and reliable power supply.



## Power Quality Issues



Production Downtime



Equipment damage



Shortened equipment life



Higher operating costs



Increased energy costs



safety Hazard damage

30-40%

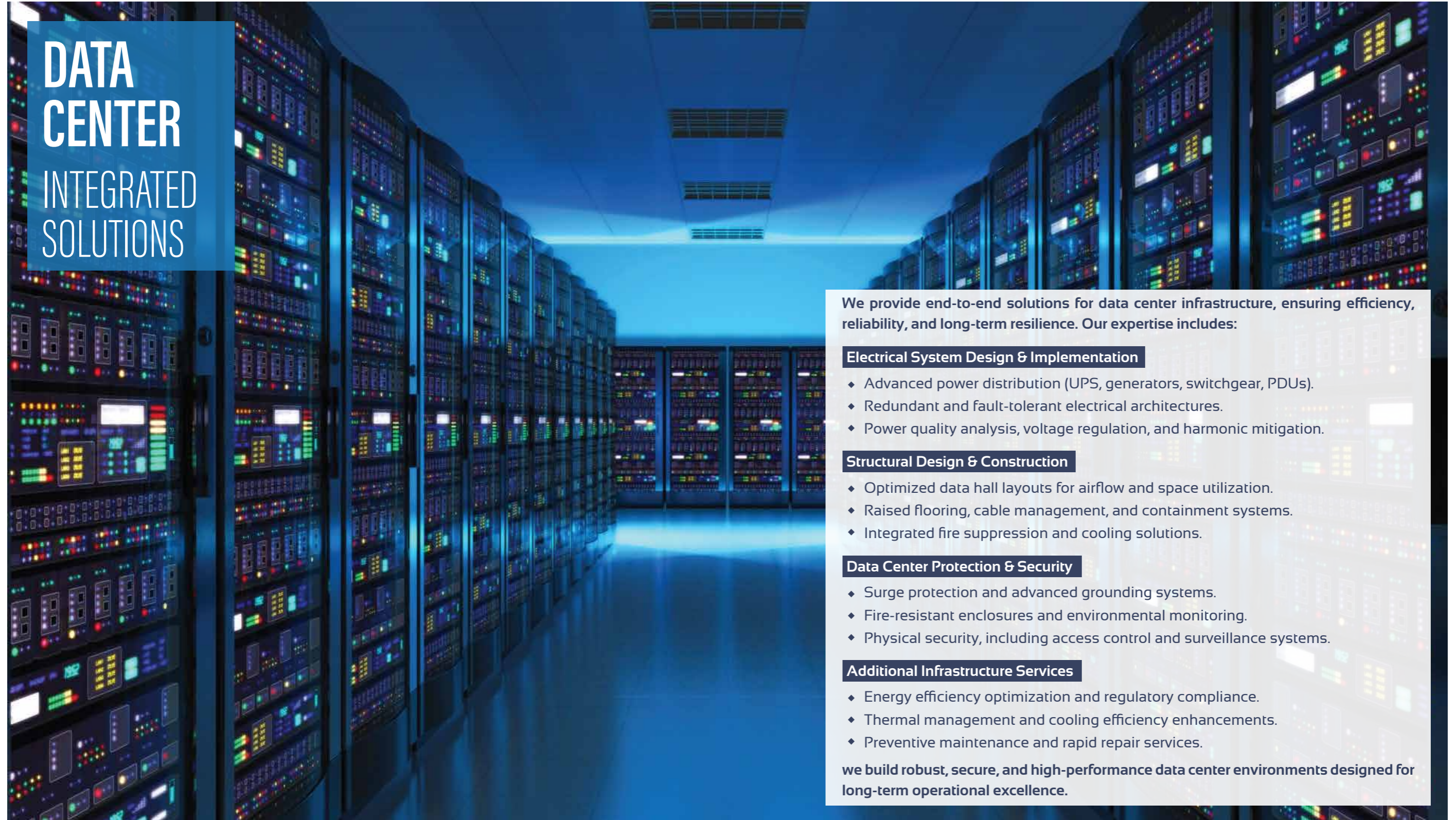
The estimated percent of business downtime related to power quality problems.



## Empowering Decisions, Anytime, Anywhere

Unlock the Power of Flexible Data Centers.

# DATA CENTER INTEGRATED SOLUTIONS



## Connections That Drive Growth

We provide end-to-end solutions for data center infrastructure, ensuring efficiency, reliability, and long-term resilience. Our expertise includes:

### Electrical System Design & Implementation

- ◆ Advanced power distribution (UPS, generators, switchgear, PDUs).
- ◆ Redundant and fault-tolerant electrical architectures.
- ◆ Power quality analysis, voltage regulation, and harmonic mitigation.

### Structural Design & Construction

- ◆ Optimized data hall layouts for airflow and space utilization.
- ◆ Raised flooring, cable management, and containment systems.
- ◆ Integrated fire suppression and cooling solutions.

### Data Center Protection & Security

- ◆ Surge protection and advanced grounding systems.
- ◆ Fire-resistant enclosures and environmental monitoring.
- ◆ Physical security, including access control and surveillance systems.

### Additional Infrastructure Services

- ◆ Energy efficiency optimization and regulatory compliance.
- ◆ Thermal management and cooling efficiency enhancements.
- ◆ Preventive maintenance and rapid repair services.

**we build robust, secure, and high-performance data center environments designed for long-term operational excellence.**