



**Environmental sustainability** plays a vital role in building long-term economic success.

Bricks & Bits seeks to become your partner in continuously **improving your energy performance**, while challenging both rising energy prices and climate change.

Bricks & Bits is a leading provider of energy-efficient solutions and is involved in energy trade and brokerage. With a broad multinational customer base, our solutions are implemented by leading global companies, organizations, institutions, municipalities, retail chains, and logistics suppliers. We are dedicated to helping companies take steps to conserve energy and become more efficient by reducing their carbon footprint and meeting their sustainability goals. Deployed at customers' sites, Bricks & Bits solutions improve customers' energy cost structure to maintain and streamline their business.

## Efficient Solutions to Meet Your Needs

Bricks & Bits is your partner for reliable, cost-saving energy solutions and services. With a range of uniquely customized solutions under one roof, our solutions significantly lower system stress levels and prolong system operating life. What's more, our short, market-proven payback period of 2-3 years, guarantees cost-savings and prompt return on investment.

Bricks & Bits provides customers with compact, light-weight add-on devices (retrofit). A combination of hardware and software, these self-operating units are easy to install, with low to zero maintenance. Implementation and deployment does not interfere with your daily business operation. Bricks & Bits solutions and services are based on advanced technologies, coupled with the support of our experienced engineers and system specialists. Our services include auditing, installation, implementation and maintenance.

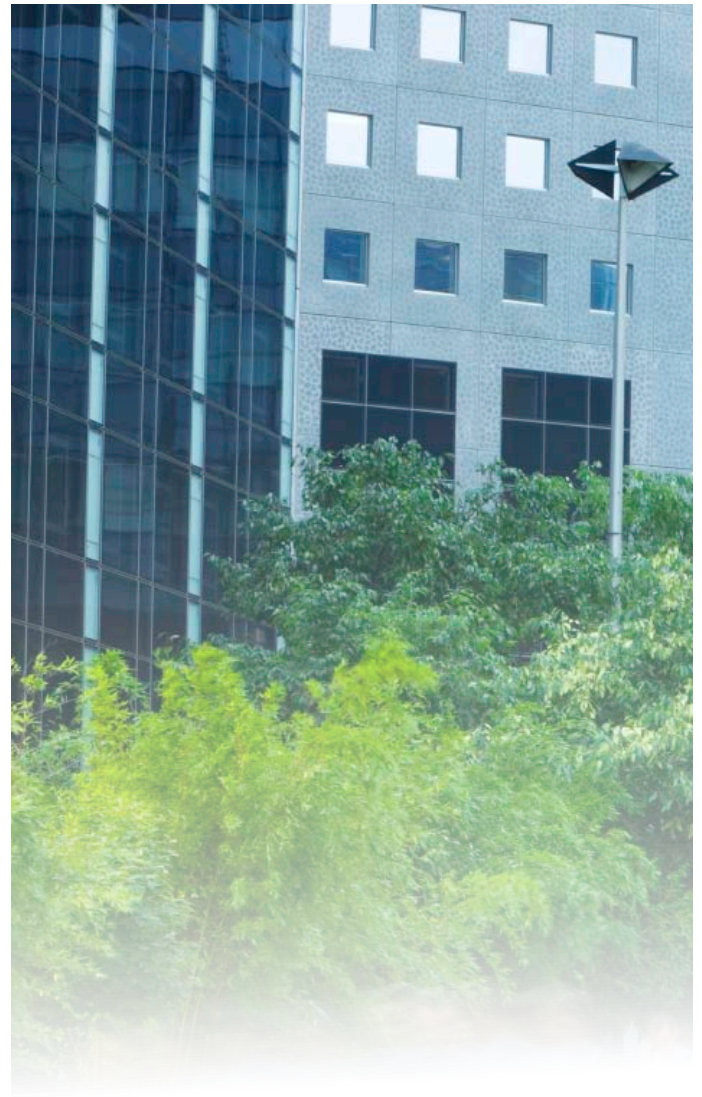
## Bricks & Bits energy-saving solutions improve operational efficiency in the following systems:

### Heating Systems:

- Advanced hybrid heating technology
- Suitable for hotels, hospitals, and health centers
- Optimizing algorithm for fuel and gas consumption
- 30-60% cost savings, reducing emissions by 70-80%
- Smart cloud software control interface

### Cooling Systems:

- Compressor work hours and sequence optimization saves 10-20% electricity
- Fast and easy installation and deployment
- Increases cooling system efficiency by eliminating the "flash gas" phenomena, boosting system capacity and decreasing energy consumption by 15-25%. Enhancing the cooling liquid and thermodynamic cycle, this system prolongs compressor replacement time.
- Zero maintenance required



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Bricks & Bits solutions surpassed all of our expectations, with ROI in the first 2-3 years. We witnessed significant savings in Budapest's municipal lighting system - up to 25%! We have already placed additional orders and plan to install more applications to conserve energy and save money in our city's lighting systems.

*Budapest BDK (Budapest Public Lighting)*

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### Remote Metering:

Automatic meter reading, smart grid and analysis tools.

- Customers stay “on top” of overall consumption
- Online consumption status
- Prevents penalties
- Enables electricity purchase planning

### Lighting:

A variety of techniques to reduce electricity consumption, including:

- Voltage control and stabilizing via a compact device installed in the main voltage distribution board to control all lighting circuits
- Prolonged light bulb operating-life
- Upgrade existing lighting circuits by individually handling each bulb using a sophisticated ballast
- Comprehensive lighting projects - complete renovation of ornamental systems
- Efficient and reliable LED lighting solutions

### Motors:

- Advanced motor inverting and controlling techniques suitable for building complexes and industrial use
- Applicable for use in electric motors for pumps, ventilators, and manufacturing line conveyers

### Energy Management & Control:

Comprehensive electricity management outsourcing, including profiling, tendering and purchase

- Invoicing tenants and sublets, including collection
- Customer care and call center

### Kitchen & Bakery Hood Ventilation:

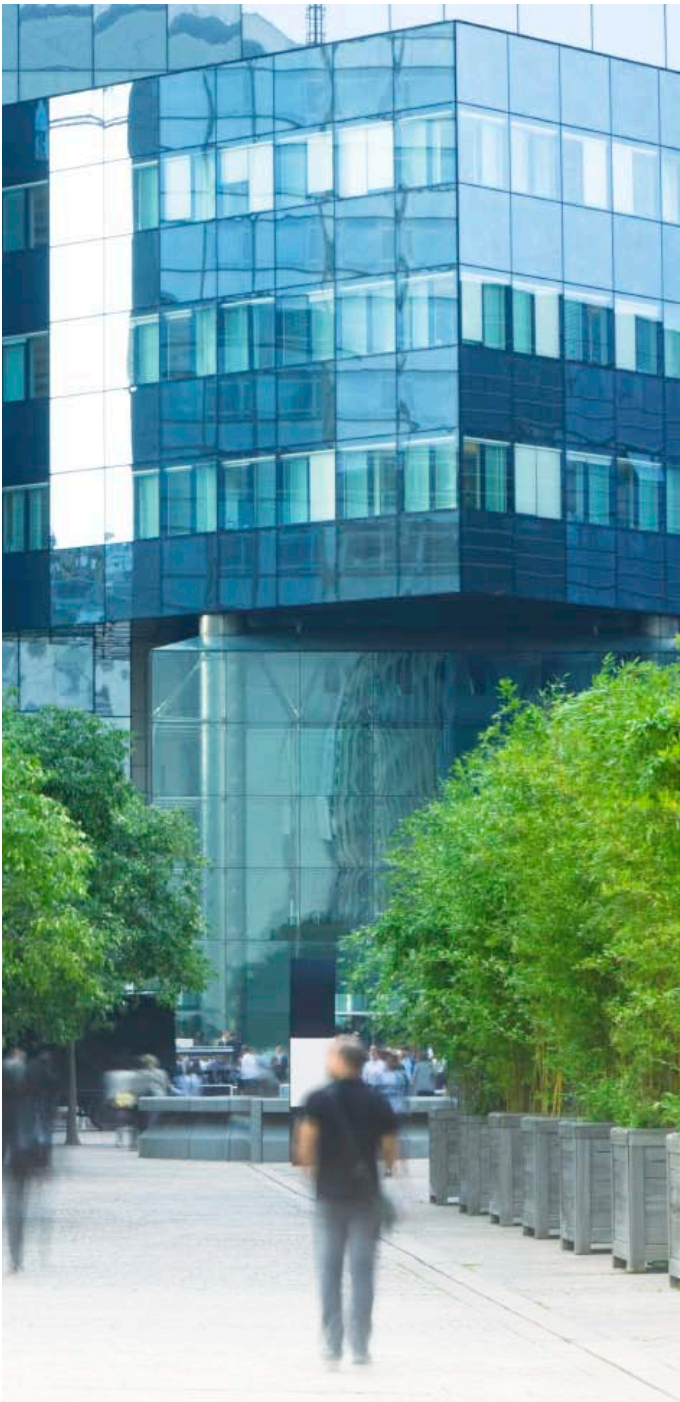
- Monitors heat, smoke and steam emitted and optimizes air extract and supply motor output by inverting power to adjust the speed, resulting in 30-50% savings!
- Prolongs motor life span and MTBF
- Gas safety features included

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Bricks & Bits installed a total of 30 Lighting controllers in our facilities throughout Poland, supplying us with a range of different bulbs. After installing the devices, we achieved overall savings of 21-28% in energy consumption. More importantly, the devices did not interfere with our work day or our manufacturing process. The results speak for themselves – incredible energy savings. We plan to expand the use of Bricks & Bits solutions in other areas of our business.

*Coca-Cola, Poland*

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## Unrivalled ROI

Bricks & Bits solutions reduce energy consumption by 10-30%, resulting in ROI, which in most cases, does not exceed two years. Bricks & Bits stands by its “risk-free” commitment to its customers that delivers in significant and measurable cost-savings.

## The Process

All of Bricks & Bits projects are initiated by a system audit and analysis, followed by a project plan and an optional pilot installation to prove the cost-saving potential. Project management includes deployment, installation, commissioning and handover, followed by fine-tuning, maintenance and support.



## Customer Base

Bricks & Bits solutions are implemented by global organizations, retail chains, manufacturers, logistic suppliers, private businesses and public companies. In an effort to expand our offering on a global scale, we maintain a high level of market awareness, always attuned to our customers’ changing needs. We stay focused on the latest energy saving developments, many of which are supported by local governments and the EU. This gives us the capacity to offer our customers next-generation solutions from leading technology providers – the very best in the industry. We work hard to ensure that our customers realize the benefits of our initiatives by implementing the most efficient and reliable energy-saving solutions on the market today.

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Bricks & Bits concluded an energy audit at our hotel to pinpoint energy saving opportunities and electricity purchasing alternatives. The audit included an analysis of our current electricity supplier, electricity bills, measuring our current consumption and developing a consumption profile. The process resulted in a detailed audit report with recommendations for optimizing tariffs and contractual energy, and how we could amend our current agreement and electricity supply. Thanks to Bits & Bricks’, our electricity costs decreased by 6%.”

*Hilton Hotel, Warsaw*

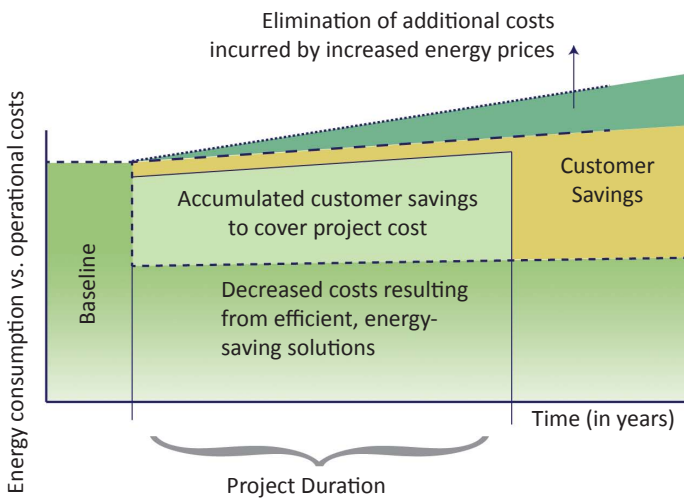
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# Innovative Project Financing

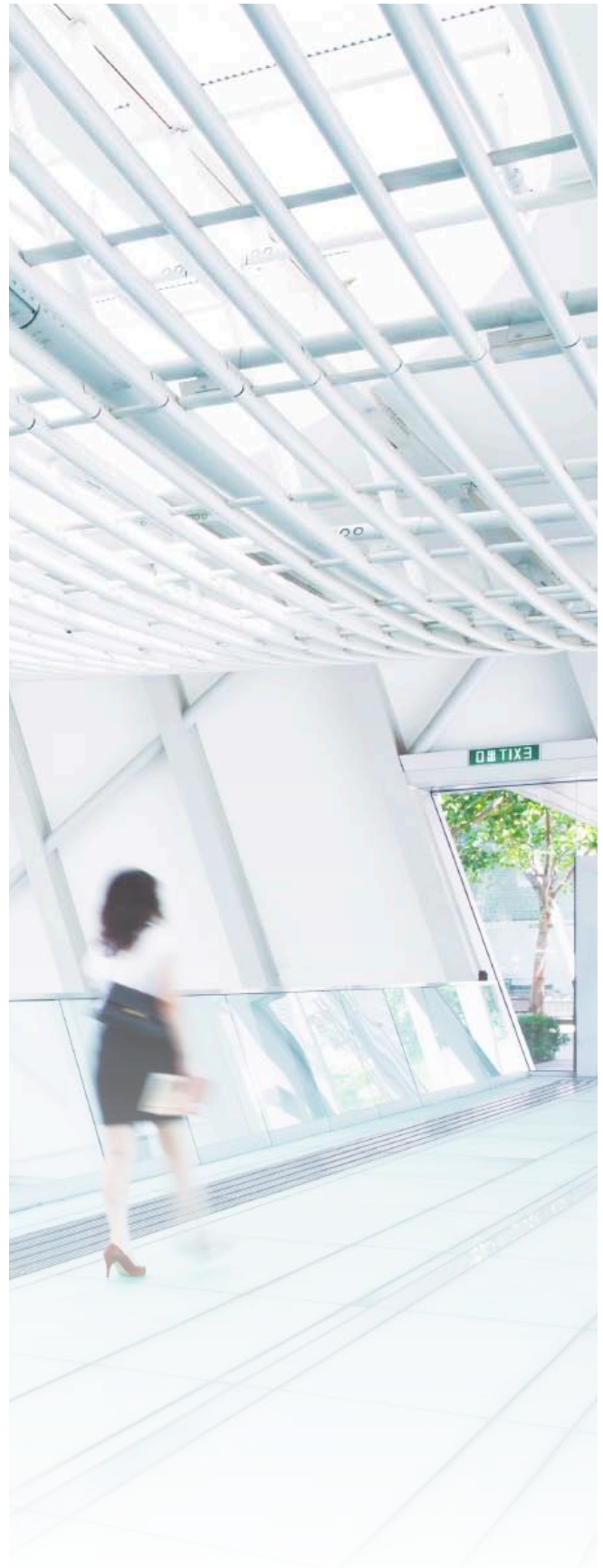
Bricks & Bits project financing offers customers a range of alternatives tailored for each project, coupled with ongoing maintenance and service – free of charge. Further, financial structures enable customers to initiate an efficiency program and immediately save on energy costs, without incurring investment costs upfront.

Bricks & Bits supports an ESCO partnership option, offering its customers complete financing via a leasing agreement or a performance-based contract, where both parties share in the accrued savings. Bricks & Bits assumes full responsibility and risk for all of its long-term engagements, whereby our customers are guaranteed: no savings – no payment.

We offer developers and building management companies energy outsourcing solutions that include purchasing energy, invoicing tenants and collecting payment, and generating additional profit to building owners. By deploying our energy-saving systems in office buildings and shopping malls, we help lower energy consumption, reduce tenants' overall costs, and render commercial complexes more profitable.



Bricks & Bits Cost-Effective Project Management



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With Bricks & Bits efficiency retrofit solution installed in our cooling system, we saved an incredible 20% on annual electricity costs. While improving cooling capacity, Bricks & Bits energy-saving features reduced our cooling system's operation and maintenance costs, so much so, that Auchan plans to install it in its other retail outlets.

*Auchan, Hungary*

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## About Bricks & Bits

Bricks & Bits is a leading provider of energy-efficient solutions and is involved in energy trade projects. Deployed on existing systems, the company's offering reduces energy consumption and decreases organizations' operational expenses. The company is dedicated to helping customers reduce their carbon footprint and meet their sustainability goals. Bricks & Bits stands by its "risk-free" commitment to its customers that results in significant and measurable cost-savings. Founded in 2002, Bricks & Bits is a European-based venture with offices in Amsterdam, Warsaw, Budapest, and Prague.

Bricks & Bits takes pride in a diverse customer base that includes leading organizations, institutions, municipalities, retail chains, private and public business, manufacturers and logistics suppliers. Our customers include Carrefour, Tesco, Auchan, IKEA, Elea, Leroy Merlin, Geant, H&M, Coca-Cola, Danone, Nestlé, McDonald's, British American Tobacco, Hilton Hotels, Citibank, Skanska, DHL, FM Logistics, GM-Opel, Suzuki, Toyota, and Michelin.

Bricks & Bits is proud to be affiliated with Green Light, Motor Challenge and Intelligent Energy Europe associations.

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***Bricks & Bits***  
Be Smart with Energy

