BECAUSE THE FUTURE IS BRIGHT

Photovoltaic energy redefined

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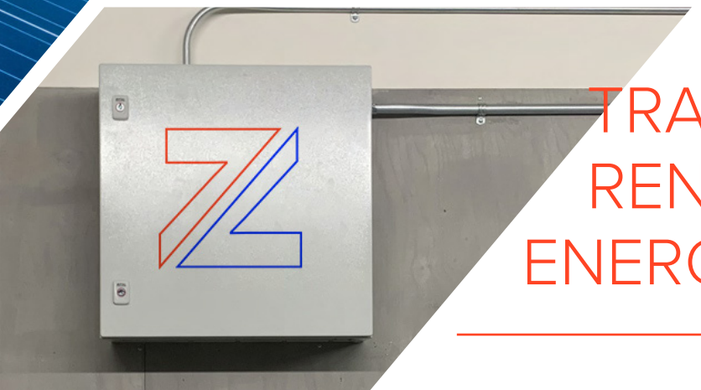
About us

Our Partner Soluxium Technologies is a manufacturer of innovative, high-quality products that address energy issues, particularly in the security, electrification of transports and telecommunications markets.

Backed by a team of experts with over 50 years of experience in energy efficiency and management, the company specializes in the integration of isolated vertical photovoltaic systems, building photovoltaic systems and charge management modules for adding and optimizing EV chargers. A Quebec-based Canadian company that promotes local procurement and offers the best guarantees in the industry.


“ Soluxium Technologies wishes to contribute to achieving carbon neutrality in 2050 by offering, among other things, products that address energy and climate issues. ”



ENERGY
EFFICIENCY
ELECTRIFICATION OF
TRANSPORTS
RENEWABLE
ENERGY

Our innovations

COMPLETE RANGE OF PRODUCTS & SOLUTIONS

- Monolith Series
- SPT Series
- Charge Management Module (CMM)
- Photovoltaic Systems (EPV)
- Photovoltaic Carport (SPCP)

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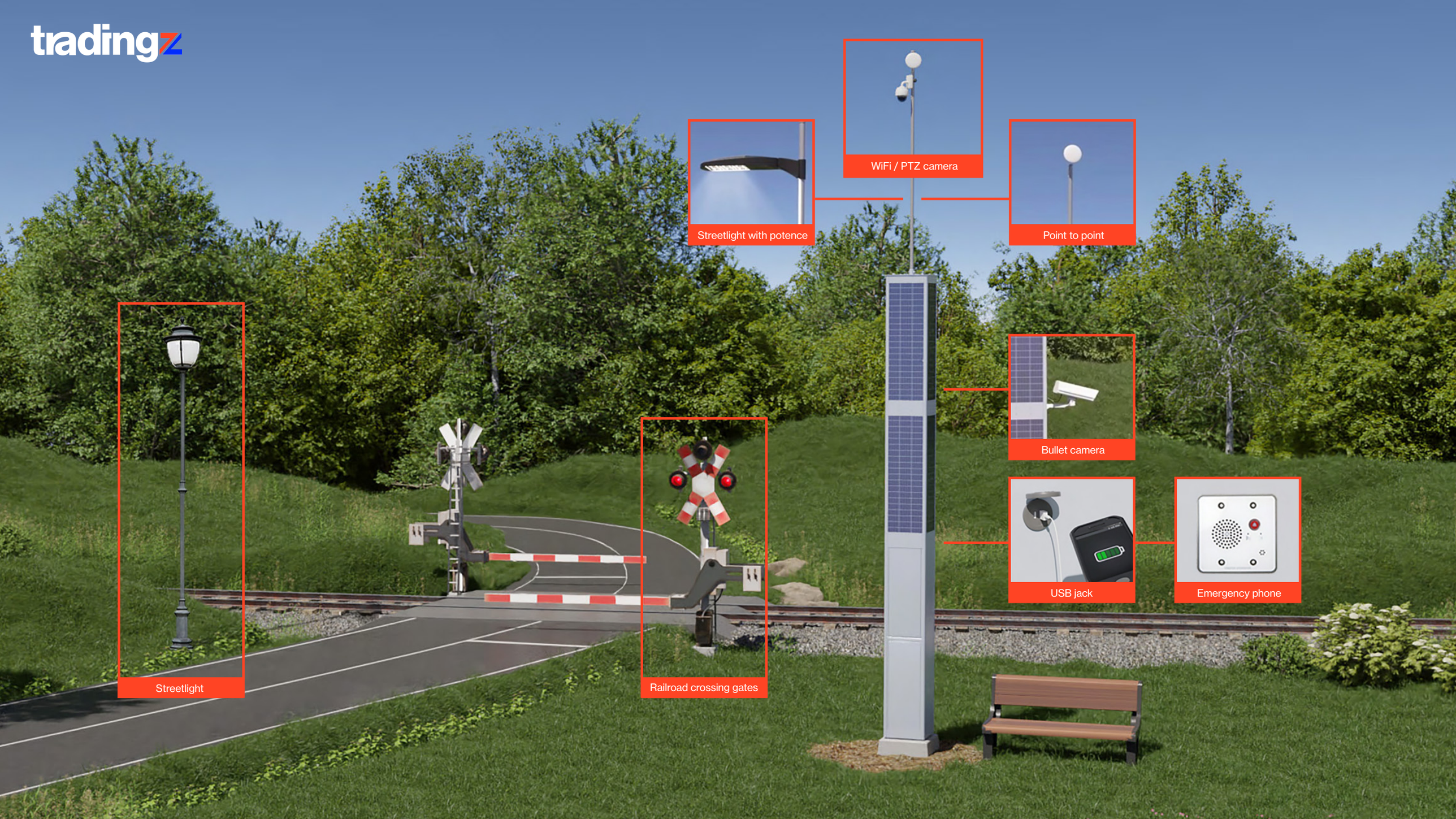
Monolith Series

MS1 | MS2 | MS3 | MS4

A fully autonomous solar tower offering unrivalled energy production.

- 100% recyclable aluminum alloy frame
- No infrastructure deployment
- Quick installation
- Vertical design virtually eliminates maintenance
- Solution for municipalities, parks, railway companies and shopping centers

https://www.youtube.com/watch?v=odF_yV1BhGg&t=10s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WiFi / PTZ camera
Streetlight with potence
Point to point
Bullet camera
USB jack
Emergency phone
Streetlight
Railroad crossing gates

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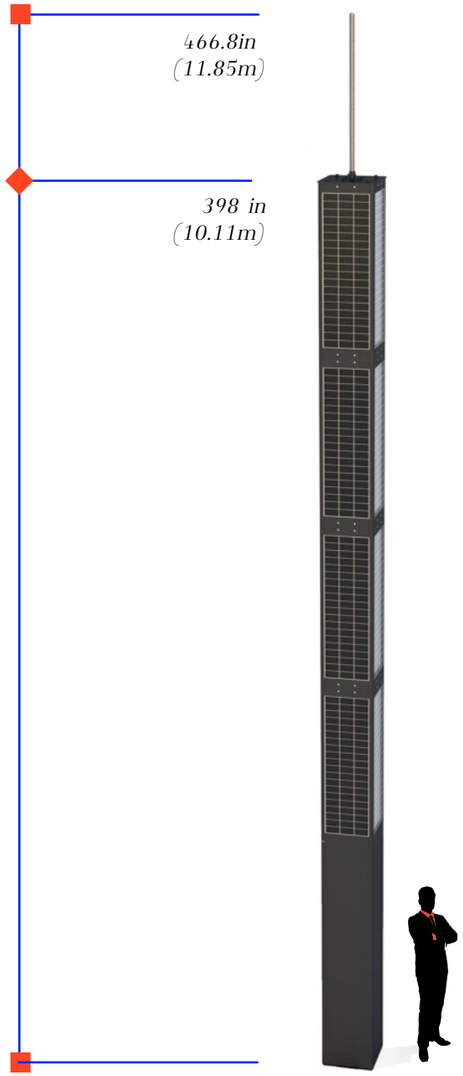
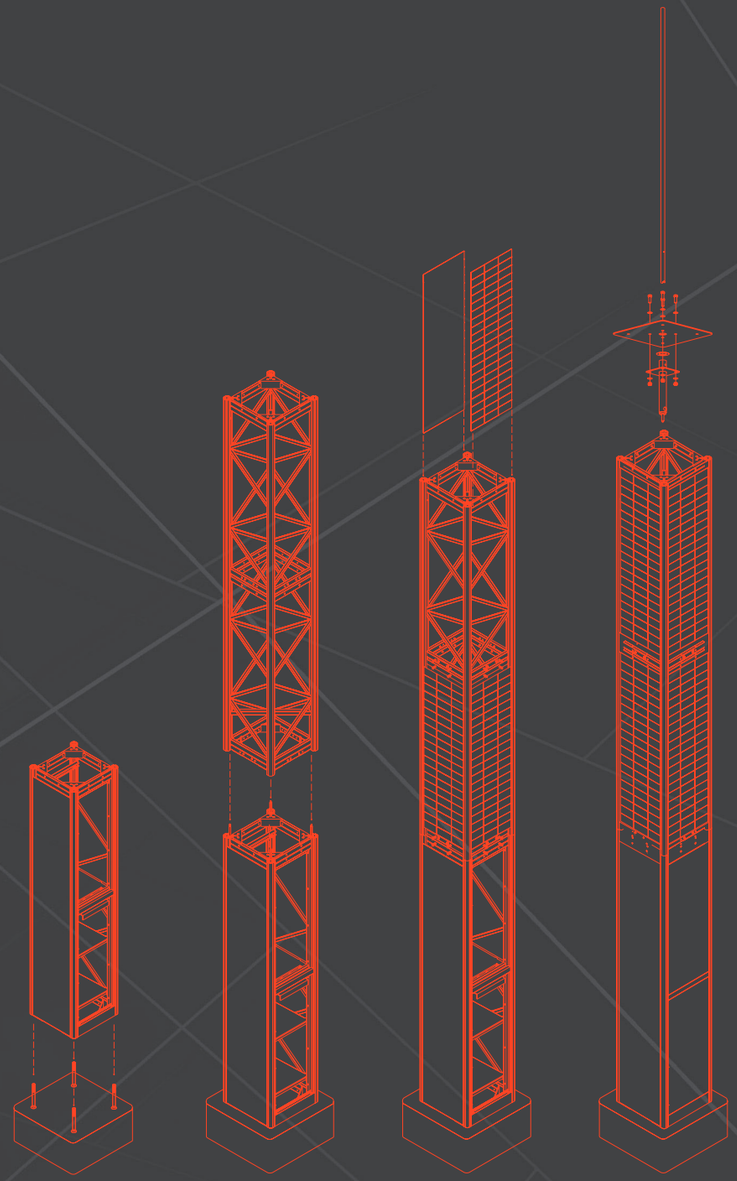


Characteristics

CONCEPTION

- Up to 2.480kWp installed
- Up to 10 560Wh of energy storage
- Vertical PV panels extending daily energy production
- Self-supporting structure with resistance to sustained winds up to 130km/h and gusts up to 180km/h
- Entirely made of 100% recyclable aluminum alloy and resistant to salt air environments
- Several anchor points for the devices
- 2 m extension mast
- Efficient and economical solution
- Configurable email notifications*
- Customized dashboard for remote monitoring*

*For a system connected to a network with Internet access



SPT Series

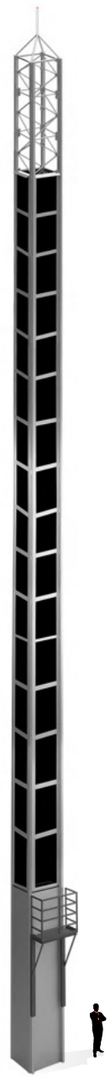
SMART POWER TOWER

A fully autonomous solar tower offering countless possibilities of use.

- 100% recyclable aluminum alloy frame
- Significantly reduced footprint
- No electrical infrastructure required
- Up to 32.73m without guy wire and up to 94.25m guy wire
- Solution for telecom companies and cities

UP TO *309ft 22in (94.25m)*

UP TO *302ft 75in (92.28m)*



Characteristics

CONCEPTION

- Vertical PV modules, secured from the inside
- Footprint as small as 2.7m2
- Exceeds CSA-S37-18, ASCE-7, AINSI/TIA-222 and EN1991-1
- Can be assembled with or without crane
- Real-time performance visualization*
- Efficient, cost-effective solution
- Configurable email notifications*
- Optional elevator

ECOLOGY

A 94.25M SPT77 (data valid for one year)

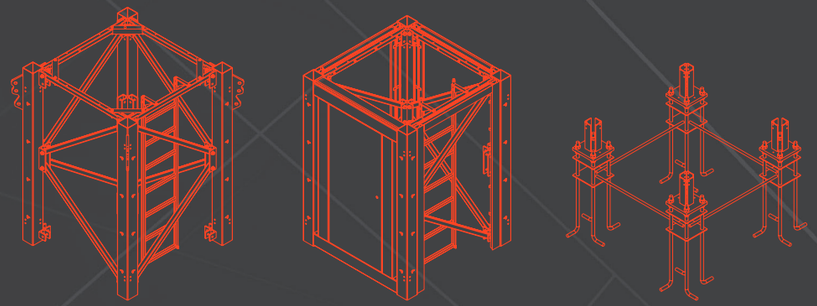
- Produces up to 155mWh of energy
- Prevents up to 60.46 metric tons of CO_2
- Equivalent to a total of 2 777 trees

POWER AND STRUCTURE

- Up to 94.25m (309.22ft) high
- Up to 136.8kWp installed
- Use as little as 1.6% of the space conventional solution with equal performance
- 6061-T6, aluminum alloy structure, naturally salt air resistant with additional protection available

AUTONOMY

- With or without ESS (energy storage system)
- Autonomy adapted to your needs whether for a few hours or a few days



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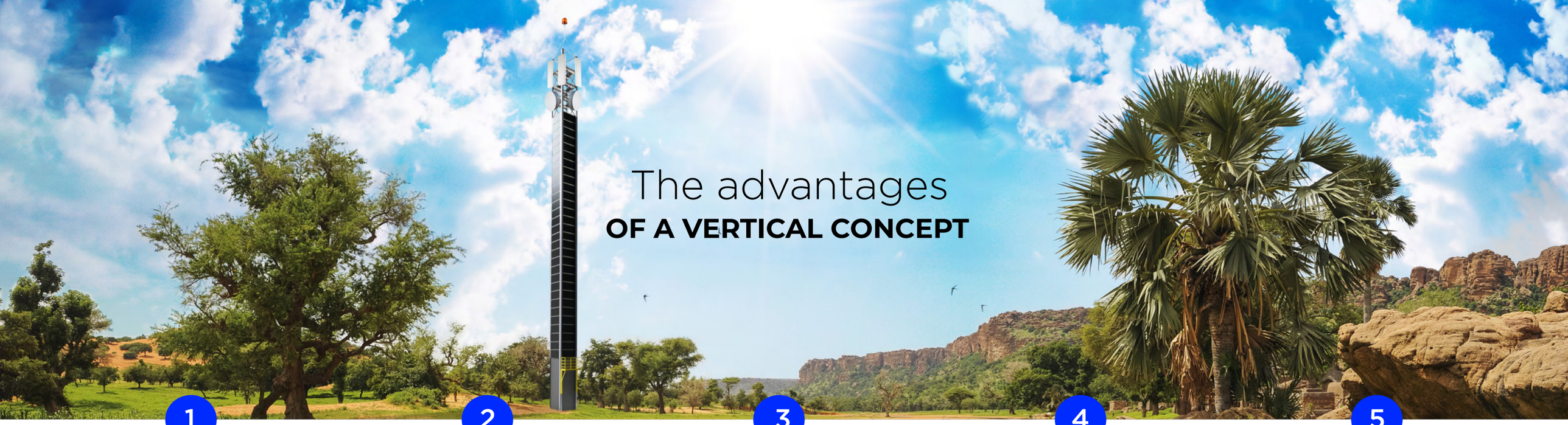


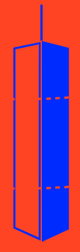
The advantages
OF A VERTICAL CONCEPT

1
REDUCED THEFT AND VANDALISM

Panels out of reach and secured from the inside

Batteries secured by locked cabinets

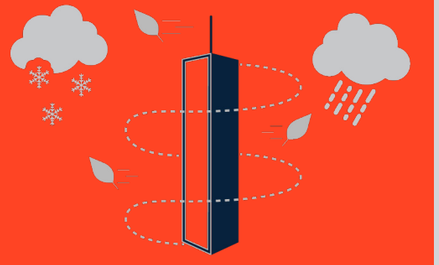
Closed structure with padlocked access door



2
REDUCTION OF MAINTENANCE

Natural cleaning of photovoltaic panels

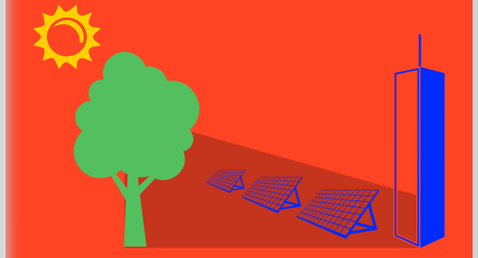
No accumulation of detritus



3
REDUCE THE IMPACT OF SHADED AREAS

Increased daily production

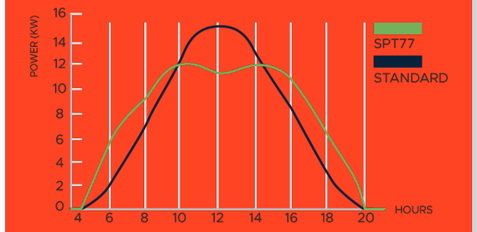
Reduced size of areas to be cleared



4
EXTENSION OF THE PRODUCTION PERIOD

Increased daily production

Mitigation of the impact of days with variable skies

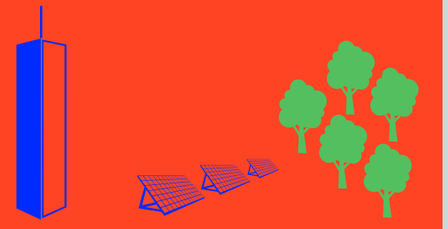


5
REDUCED FOOTPRINT

Reduced deforestation area

Footprint as small as 2.7m2

Unsurpassed power/m2 ratio



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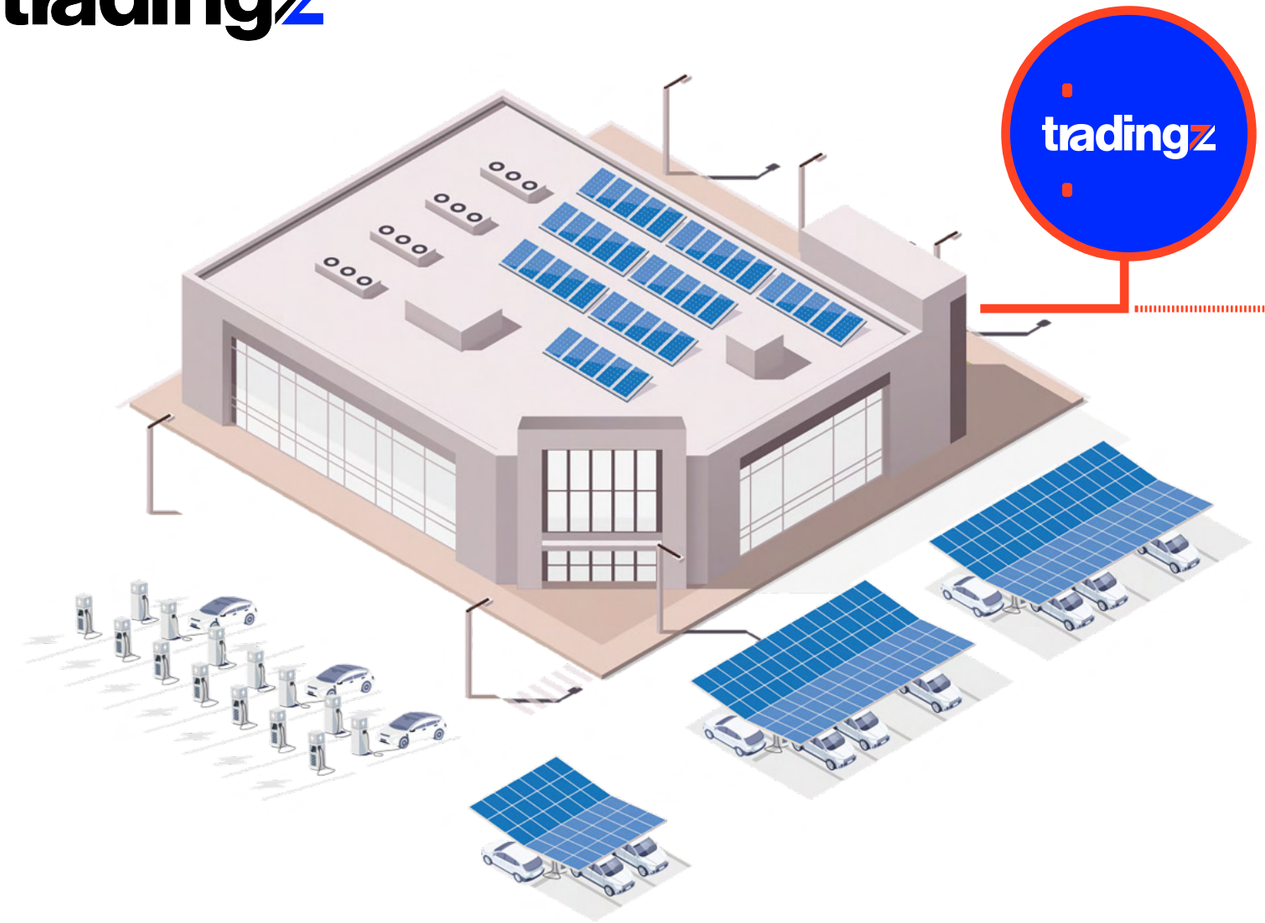

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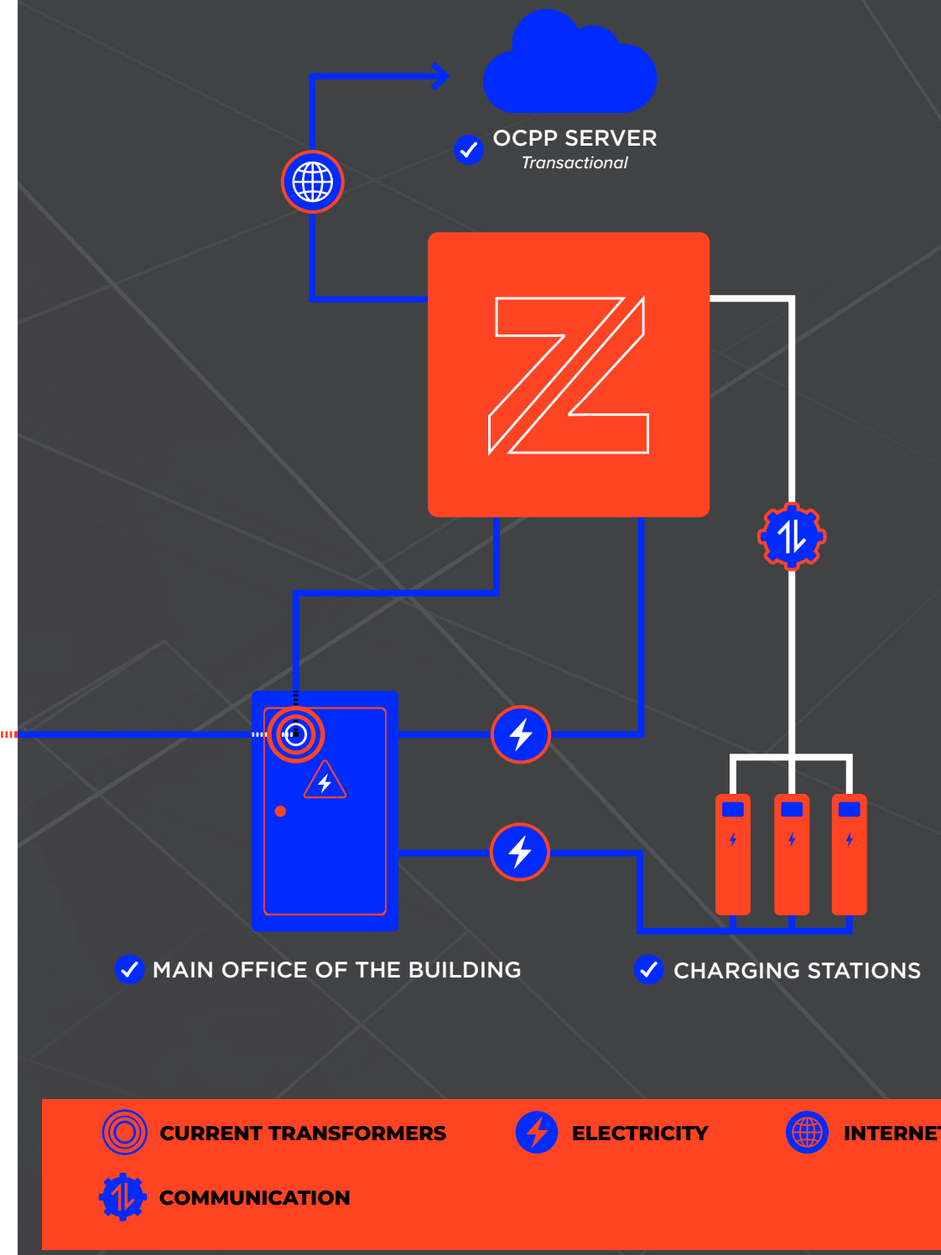

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Charge Management Module

AUTOMATED SYSTEM

This device analyzes the building's electrical infrastructure in real time and allocates only the available power to the charging stations.

- Power peak flattening
- Improved energy efficiency
- Increasing the number of charging stations for electric vehicles
- Reduced costs (from purchase to operating costs)

ROBUST **COMPACT** **EASY TO INSTALL**

Photovoltaic Systems

A SOLUTION THAT ADAPTS TO YOUR NEEDS

Photovoltaic Systems (EPV) generate energy to meet consumption needs.

- Electrification of commercial buildings
- Energy cost savings
- Low cost deployment
- With faster return on investment

Please note that images are for reference only.

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SPCP Series

PHOTOVOLTAIC CARPORT

Real estate investment that allow you to produce your own energy while improving your costs and operational processes.

- **Reducing the impact of electric vehicle charging on electrical infrastructure**
- **Protection of vehicles and their users against sun and bad weather**
- **Reduction of heat islands**
- **Reduction of snow removal operations for vehicles**
- **Possibility of adding batteries for night-time operation of terminals**

Please note that images are for reference only.

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SPCP Series

THE ADVANTAGES

The photovoltaic shelter represents a sustainable, innovative and modern solution to green mobility.

- Increased energy production
- Lower energy bills
- A unique user experience
- Promoting a green city
- Reducing the ecological footprint
- Charging range for electric vehicles
- Increased visibility
- Improving accessibility

Transition support

BY THE SOLUXIUM TECHNOLGIES TEAM

1. NEEDS ANALYSIS
   - Project objectives
   - Terminal criteria, manufacturer requirements and dealership operational needs
   - Building's electrical power capacity
   - Building's power analysis (full bill)
   - Budget framework and logistics operations management
2. Creation of a proposal adapted to your needs
   - Preliminary engineering (drawing up the budget proposal)
3. Presentation of the budget proposal
4. Signature of the project agreement
5. Timeline (scheduling of work)

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