



Who Are We?





About us

SST, Smart Secure Technologies Lda., is a Portuguese company headquartered at Torres Novas, 100 km north of Lisbon. Its shareholders are mainly Portuguese. It has majority interests in the following companies

- **IsGreen** - Development of intelligent lighting and energy management.
- **IsGreen II** - Commercialisation of smart buildings technologies
- **SST OÜ** - Located in Estonia, and focused in the Central Europe markets
- **SST Innovation** - Located in Madeira Island, dedicated to Research and Innovation
- **BANDE** - Specialized in water management solutions for buildings



Where we are

- Torres Novas, Portugal,
- Lisbon, Portugal
- Tallinn, Estonia
- Funchal, Madeira Island, Portugal

Where we want to go

- Hungary

Our solutions



Intelligent & Autonomous Lighting

ILS, Intelligent Lighting System, is a wireless distributed embedded system with local decision capability, which guarantees in an automatic and autonomous way users' comfort and energy savings: "the right amount of light when and where needed".

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Energy

Global and sector metering and monitoring of power consumption. This always-on solution collects data and analyses them in real-time. It features a wireless technology, a web-based user interface accessed from anywhere, “over the air” configuration with a PC or Smart-device; able to send notifications to Smart-phones.

Load-shedding reduces energy consumption, turning off non critical equipment to limit demanded power, during peak-rate or other periods, according to a priority table or whenever sites are non-occupied.

Operation critical analysis of equipment, anticipating and preventing faults and serious damage to products or service performance. Aimed at several equipment, as electrical drives, compressors and other electrical motors on which rely the functioning of pumps, freezers and cold systems, HVAC systems and heat exchangers among others.



Water

Water usage monitoring through an intelligent embedded system fully automatic and autonomous. It prevents leakage and reduces wastage, predicts water supply scarcity and extends on time water availability, prioritizing essential needs according to a responsible distribution policy.



Comfort & Safety

Comfort & Safety are basic SST functionalities with application on the monitoring of space occupancy and platform capable to monitor space usage and manage equipment according to needs. When applied to *energy* it turns equipment on and off according to needs, saving energy while maintaining users comfort. For *water*, it shuts-off valves and taps whenever the space is unoccupied or equipment not in use and opens them the valves only when needed.

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As for *safety* its always-on features affectively safeguard the space, notifying and acting when an anomalous situation is detected, either because it happened at the wrong time, be it a pre-set time period, as night time or vacation, or because unexpected lower or higher thresholds levels of movement, noise or consumption of energy and / or water, were detected. In either case it can act, e.g. turning lights on for dissuasion purposes or shutting off the water mains to avoid leaks, and send notifications either to Smart-phones or by email.



Services

Services are horizontal to all previous products and based on past and predictive time profiling of space usage, user behaviour and energy and water demand, as well as deviations analysis.

Services can include periodic reports on energy or water consumption and savings or on usage and users behaviour. They can also include predictive reporting on the same issues.

Services can be delivered weekly, monthly or biannually and consist of graphic reports including summary and explanatory. Reports also include comparative analyses whenever past data is available.



Facilities already implemented

- Private offices in buildings,
- Public schools,
- Public and private underground parking's,
- Factories,
- Warehouses of various types and sizes,
- Public swimming pools,
- Government institutions,
- Fire departments,
- Utilities (EDP's building at Porto)
- Service stations,
- Headquarters of political parties,
- Business schools,
- Office at KKBK (Hungary's Expo Park)
- Public schools
- Hotels & Hostels (Corridors and back-office areas)

Validated and supported by:

 MIT Portugal 2011 -1st prize for energy	 Fundación REPSOL 2012 - Finalist project in the 2th call of the fund of entrepreneurs	 eit Climate-KIC 2015 – Valência - 1st prize Portugal and Espanha Smart Ventilation System	 GREEN PROJECT AWARDS 2017 – 1st prize How to manage intelligently a building
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Some references:

Warehouses Freguesia de Azeitão 	Sport facilities 	Government 	Offices Law - Tax 	Underground parking 	Public libraries 	Utilities 	Hungary
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More than 230 systems installed

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