Newton Brown Urban Design

Think Global, Act Local

Smart Products for Urban Design and Real Estate Developments

Urban Shelter

Newton Brown LLC dba Newton brown Urban Design is a New York based MBE certified International Small Business providing Sustainable, Smart and Innovative solutions for Street, Site and Spatial Planning

More product information will be made available when signing our Business Agreement

Visit www.newtonbrownusa.com

info@newtonbrownusa.com

Direct: 347 879 4869

Seating Solutions

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UHPC Pebbles

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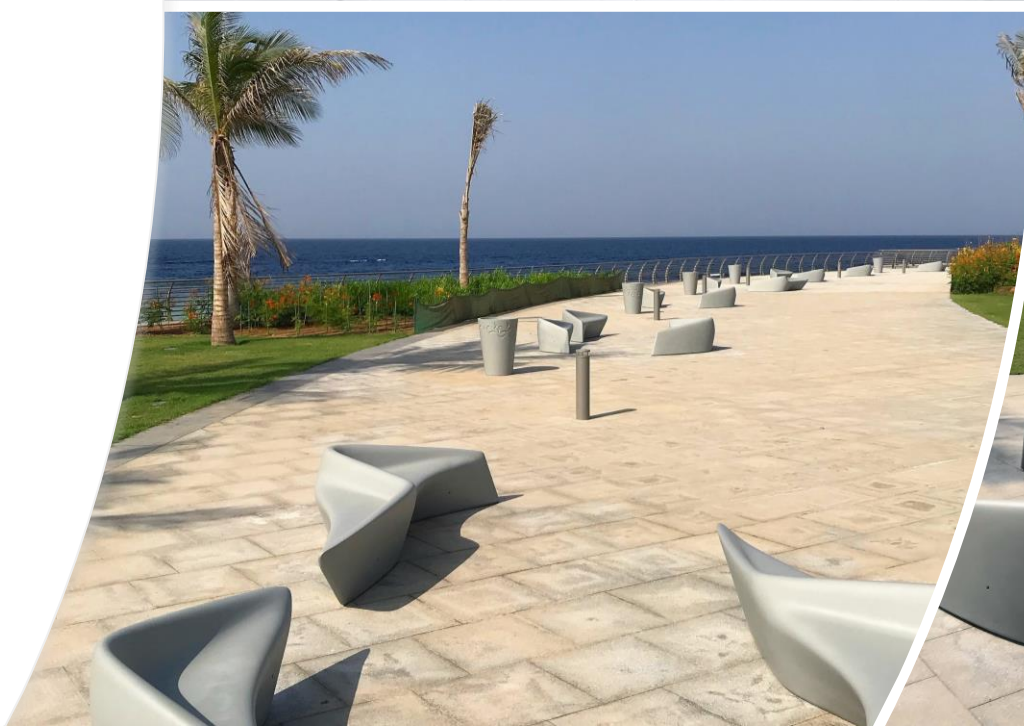info@newtonbrownusa.com

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UHPC Bences

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Solar Lights

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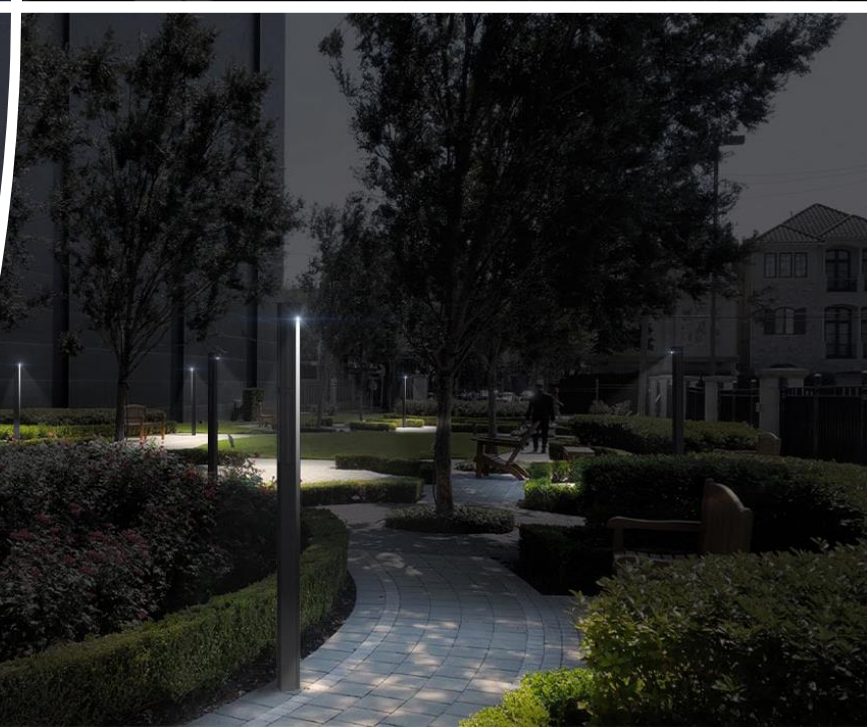# Solar Tubes

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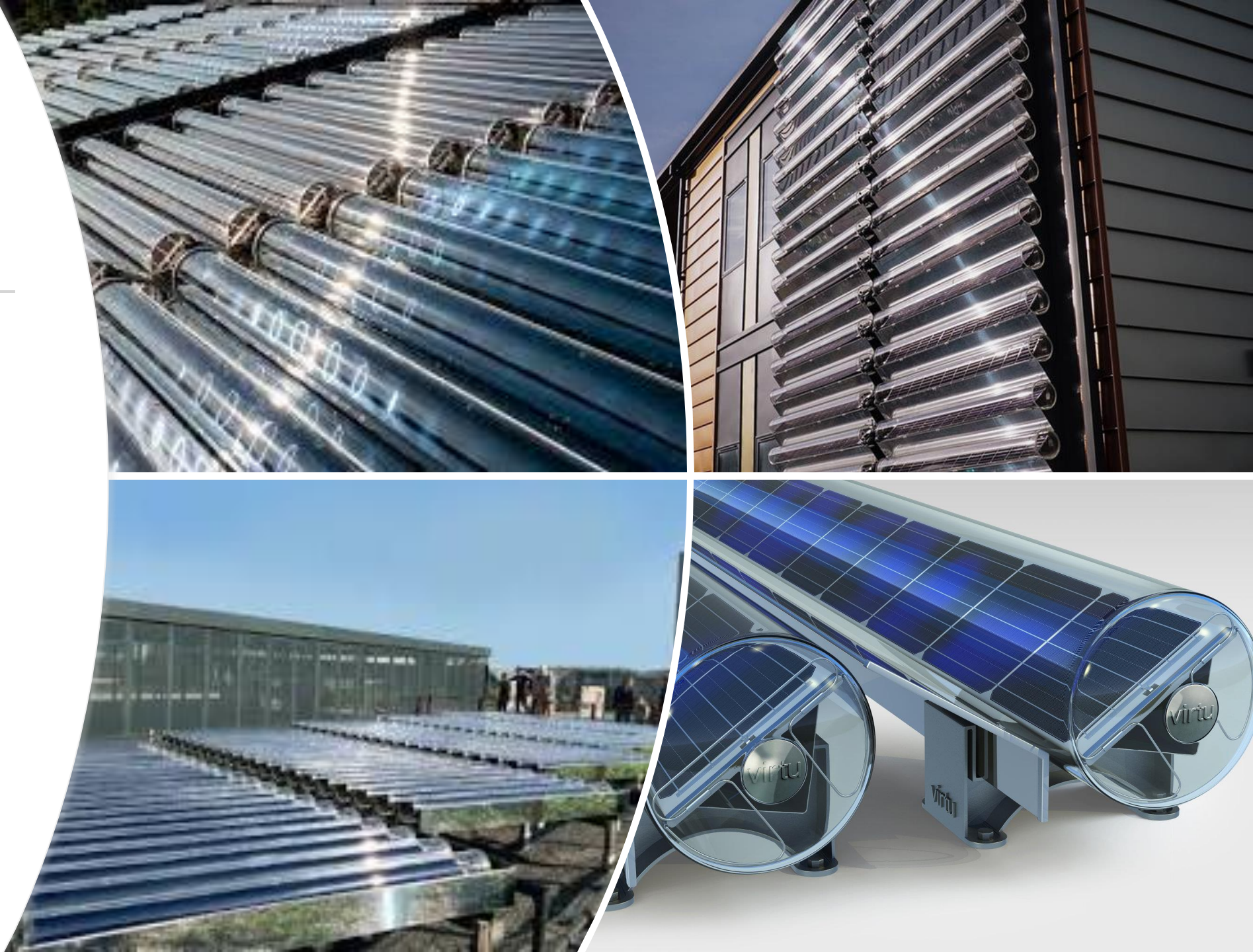info@newtonbrownusa.com

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Solar Bench

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Smart Lockers

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Smart Parking

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All Weather Piano

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Blade Made

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Bridge

Sound Barrier & Seating

Seating

Playground

Reusing decommissioned wind blades

Outdoor Wellness

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Green Concepts

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NB UD
NEWTONBROWNURBANDESIGN

SmartCityPole
Digital solution for new era

SmartCityPole brings a new perspective on how to combine multiple services into one product including:

- Security (camera, SOS module)
- Air monitoring
- Data analyses
- Overview of intensity of each cycle route
- Secured and controlled Wi-Fi
- Touch panel
- Charging of eBikes, eScooters or other devices (via USB)

Its functionality makes it an ideal device for any type of cycle route. Another advantage is the integration of all digital IoT supporting solutions for urban mobility, smart city and more into a single digital point.

Main benefits of our solution:

- service and management of digital unit is taken over by supplier
- very simple installation and implementation

- if necessary, there is modularity in the solutions
- each SmartCityPole can be unique and fully customized

Smart City Pole is managed and monitored remotely on the CitySys platform, where you can check its status in real time and evaluate all measured information (from camera recording to environmental data). Thanks to its durable, maintenance-free design, it can be placed anywhere.

Connectivity

Modular body

HW IoT devices

CitySysPLUS EBI

IoT Equipment

CitySys platform

Security

E-mobility

Information

Enviromonitoring

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NEWTON BROWN URBAN DESIGN

Smart Info Kiosk

Smart Info Kiosk is an outdoor info kiosk with a robust and durable construction that combines modern materials steel and glass, which protects a 55 „LCD screen with high brightness, which is automatically regulated by an integrated brightness sensor responsive to ambient light conditions. The safety and durable construction of the Smart Info kiosk with IP65 protection withstands rain, snow, summer heat and winter frosts perfectly. High operating temperature is provided by automatic air conditioning. In the upper, perforated part above the Smartkiosk screen, smart sensor devices for air monitoring and weather stations for detecting the current weather conditions are installed. In the body of the Smart Info Kiosk itself, other Smart devices are built into its sides: an SOS speaker for emergency calls, electrical sockets for charging electrical devices such as mobile phones, ebikes and scooters, a IP camera for safty monitoring.

DESCRIPTION:

- galvanized steel structure
- powder coating
- heat insulation
- heating and cooling
- protected internal electrical wiring for maximum protection of the user and installed hardware

STANDARD CONFIGURATION:

- 55˝ LCD brightness 2,500 nits, Full HD resolution
- LCD portrait orientation
- 6 mm protective glass with anti-reflective treatment
- Touch projective capacity technology - multitouch
- 2x 10 W speakers
- air conditioning
- Windows minicomputer

Connectivity

Modular body

IoT Equipment

CitySysPLUS EBI

CitySys platform

Security

E-mobility

Information

Enviromonitoring

NB UD
NEWTONBROWNURBANDESIGN

Smart Public Pole

Smart Public Pole enables connection of different sensors (concentration of VOC and dustparticles), radars, actuators, meteo station, CCTV with videosurveillance service powered by AI or parking cameras and other devices (5G small cells, C2X, C2I autonomous cars infrastructure, AC EV chargers, Digital signage screens, PA speakers, SOS emergency button, …..)

If you think back to any city, town, country, or region you have visited, you may recall that Public streetlight poles are everywhere In fact, these poles are so expansive that we do not even notice them anymore. But here at CitySys, we know these poles are capable of so much more than providing lighting to cities they are the key to enabling the future of "smart cities" and driving a whole new economy that we call the "Public Lighting grid Economy" Let's open, what needs to happen to open up this economy

The good news is that there is a simple solution to all these problems CitySys and SmartPublicPole smart city edge platform provides the 3 Ps Power, Permitting and
Processing all in a single device that removes the friction and opens up Process of the "Public Lighting grid Economy" In a nutshell, platform helps improve operational and financial performance for cities, while providing an easy way for technology and service providers of varying sizes to take advantage of IoT opportunities
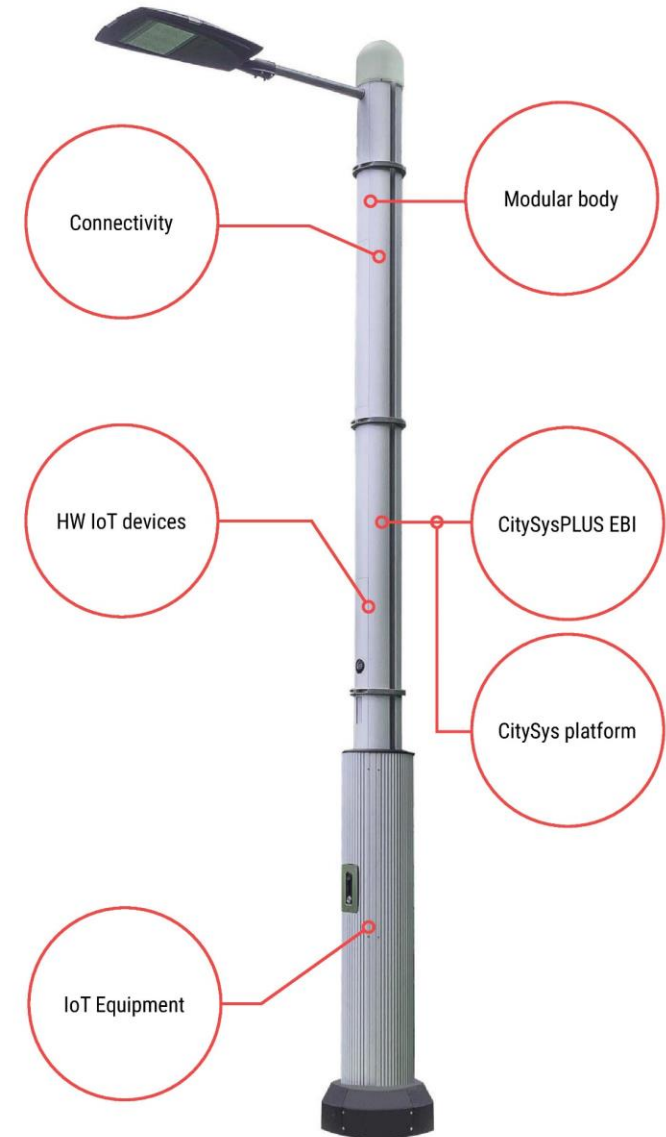
For the last decade, CitySys has worked with cities across the globe and identified several obstacles that come in the way of opening up the "Public Lighting grid Economy" This begins with an easy way to power devices and the ability to meter them, and that extends to the need for a secure communication network that can transmit the data back into the cloud after short action of interoperable edge processing.

FUNCTION AND FORM

For many design professionals, the evolution of the Public light pole is essential to deploy IoT devices for smart cities.

Smart Public Pole - was created to answer the call for an aesthetically pleasing, yet fully capable street furniture to meet the needs of the modern Smart City. With increasing demands for IoT devices and other IT and Communications equipment to be installed, many of the traditional street lamps today have multiple devices strapped onto them.
This not only creates an unsightly landscape, but poses potential hazards in the form of exposed wiring and data cables.

Connectivity

Modular body

HW IoT devices

CitySysPLUS EBI

CitySys platform

IoT Equipment

SmartBusShelter M2021

Wi-Fi
various
settings
possible from
welcome login
window to ad
to user policy

IP camera,
video analytics
and accurate
statistics of
passengers

Sensors
collection
of enviro
parameters and
comprehensive
environmental
and
air assessment

SOS button
connected to
the police or
security service

49" LCD
touch screen
public
transport info,
advertisement,
tourists info
and much more

USB socket
for phones,
tablets

Automatic
desinfection
dispenser

230V socket
for eBike, eScooter

AED Cabinet

We make cities smart and beautiful.

Wi-Fi network available for passengers.

Sensors located in the device measure and collect information about air quality, CO2, VOC and dust particle concentration (with accuracy of PM2,5 and PM10). Comprehensive evaluation of measured parameters is available via CitySys platform on user-friendly screen. Historical data can be accessed through standardized API.

On top is placed **Camera**, which are used to increase security around bus shelter and video analysis of the surroundings (counting people via app **TrafficMicro**, face recognition, accurate statistics of occupancy, etc.).

The **49" LCD Touch screen** with PC is where you can also install your own CSM player. The touch screen serves as an information or advertising channel (official board, tourist information board, public transport timetable, etc.) and it is fully customizable.

We are also offering the possibility of **Automatic desinfection dispenser** to be placed inside our Smart Bus Shelter.

The **SOS signal** serves to trigger a message that informs the administrator of the emergency situation around the pole. Built-in speakers and microphone are controlled

automatically by the audio loop. In the event of malfunction, the device will log itself in and adjust the volume and sensitivity of the microphone depending on the ambient noise level. The SOS audio unit automatically connects to the security server where 3D visualization shows what is happening around the device. The system offers archiving of calls along with audio / video recordings. If you are interested in a direct connection, it is possible to select a phone number to which an applicant would be connected automatically.

There is a possibility to **charge mobile phones**, tablets or other devices with charging via USB port, while the 230 V socket is used to **charge eBike or other products supporting e-mobility.**

SmartBusShelter, not only helps to increase security around its area, but it is also protected against unauthorized access into device. There is a so-called „Door contact" which detects and records unauthorized access to the device.

Also has **Aed Cabinet** for first Aid components such as (Defibrillator, first aid kid,...)

THANK YOU - GRACIAS

"There is only one thing that makes a dream impossible to achieve
The fear of failure" Paulo Coelho