SEEDiA™

neusitz.ch

solutions supporting the development of **green cities**

CHALLENGE

According to UN data, 70% of the world's population will live **in cities** by 2050.

ineffective public transport

According to the World Bank, in 2020, only **17%** of the world's urban population used public transport as their main mode of transportation.

increased traffic

According to INRIX, in 2022 the time spent in traffic jams worldwide increased by **10%** compared to 2021 and amounted to an average of **36 minutes** per day per driver.

excessive noise

According to the Statistics Poland, in 2020, **54%** of Polish residents were exposed to LDEN noise levels exceeding 55 dB.

air pollution

According to the UN, **91%** of the global population lives in places where air pollution exceeds WHO guidelines.

no charging facilities

According to a 2023 report by Deloitte, there are only 750,000 electric bicycle charging points around the world. This is over **13 times less** compared to scooter charging points.

growing number of vehicles

According to Bureau of Transportation Statistics data, in 2023, **62%** of passenger cars were registered in metropolitan areas.

lack of green areas

According to WHO, there should be at least 9 m^2 of green area available for each city resident. In Warsaw, it is only **2,5 m^2**.

We create solutions for

cities and **business** .

Safe eco parkings, cyclist service areas

Quality of living

Transport 4.0

SDG

15 minute cities

Solutions

We improve cities by implementing 4 types of products.

solar benches - life quality improvement, free energy, public space analytics, Wi-Fi hotspots, smart lighting, marketing support

solutions for parking, charging and micromobility rental - evolving cities require specialized infrastructure for the safe charging and parking of electric bikes and scooters

smart bus shelters - thanks to the use of solar energy and e-ink technology we can reduce the cost of operating shelters

a series of devices for displaying urban content (infokiosks, stand-alone displays) - the automatic content generation system, combined with an off-grid power supply, allows information and passenger information to be reached in any place

InCity

Remote management platform for Seedia's street furniture. Data analytics, open API, automated support of timetables, and mobile traffic analysis.

Solar benches

- 30% increase in brand recognition
- detection of dangerous events
- urban data sensors
- fast Wi-Fi connectivity
- user traffic analysis

Wyszków,
Poland

SEEDiA product catalog 2025

SEEDiA™

over 180
implementations
worldwide

New Urban

New Urban 01

solar benches

This is **the latest version** of the city bench from the Urban series. We went back to the drawing board and designed this year's model from scratch. Thanks to its **modular design** it becomes an even more powerful tool to face urban challenges. Now the backrest and the seat are **covered in wood** for a better user experience and environmental impact. The bench also features an **all-in-one box** design which means all the electronics are located in one spot.

60 30 20 80

R: 56 G: 62 B:66
Hex: #383e42
RAL 7016
Anthracite grey

technical specs

New Urban Classic

New Urban

New Urban Bike

SEEDiA product catalog 2025

city

over 170
implementations
worldwide

audio system
Wi-Fi hotspot
LED lighting
USB ports
wireless charger
off-grid operation
remote management
environmental sensors

SEEDiA™

City

01

solar benches

This is Seedia's **flagship series** of solar benches. Apart from its amazing urban-feel-like design, it's known for its innovative modular design which makes this bench available in 3 different configurations. You can choose from the basic one, the Classic version with a **backrest**, and the Bike version with an additional **bicycle stand**. The bench is equipped with a **solar panel** built into the seat. It's a great option for the city's green areas like parks and walks.

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technical specs

City Classic

City

City Bike

Infokiosk

and e-ink solutions for public spaces

- statistics generating and data collecting
- up-to-date information on public transport
- remote timetable updating
- navigation directions for passengers
- tourist information
- off-grid operation

Rzeszów,
Poland

SEEDiA product catalog 2025

SEEDiA™

info-kiosk

ショップ shop

over 50
implementations
worldwide

quality of life

mobility

integration
with external
solutions

public
information

damage
resistance

remote
management

audio
system

Wi-Fi
hotspot

GPS

USB
ports

wireless
charger

e-ink
screen

remote
management

dynamic
passenger
information

Infokiosk

02

with e-ink screen

Seedia's Infokiosk is designed to serve as a **municipal information point** at first, however, it's technically ready to work facultatively as an automatic dispenser for hand sanitizer at the same time. It is equipped with a monochrome **e-ink screen** and solar panels on its back that allow off-grid operation. The content displayed on the screen can be managed remotely. This product is suitable for transport hubs, railway stations, airports, shopping malls, and office buildings. It's a useful solution for places where **quick access to information** is essential and highly anticipated.

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technical specs

31” b/w

25” color

Stand alone 02

stand-alone e-ink displays

Stand-alone displays are the latest addition to our portfolio, complementing **the e-ink solutions** lineup for public spaces. Currently, we offer 3 displays of this type - a basic 31" black-and-white display, a 25" color display, and the smallest one in the family, a 13" monochrome display. All displays feature **waterproof cases** that are resistant to outdoor weather conditions. They also provide **remote management** of displayed content.

60 30 20 80

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Anthracite grey

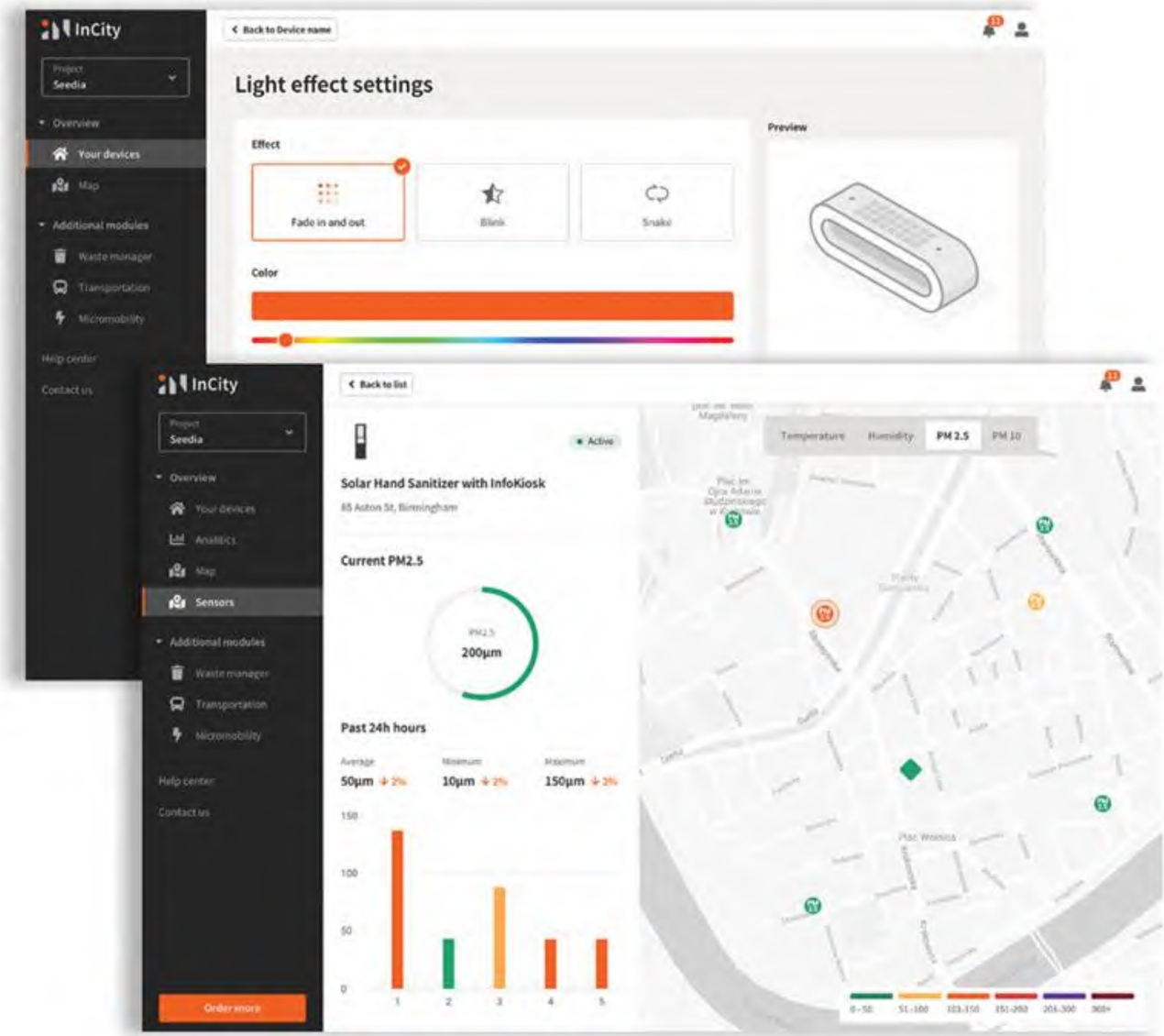
technical specs

InCity

basic

InCity is Seedia's flagship platform for remote management of street furniture elements. It allows users to preview and track device operational parameters in real time, as well as collect and analyze data.

- remote status tracking of a device
- number of users analysis
- maps with GPS location
- LED lighting color management
- collecting and analyzing data from urban sensors (air quality, temperature, humidity, etc.)



Solar shelter

- **up to 8,000 USD** of savings on installation
- **up to 2,000 USD** of savings on power consumption per year - solar energy
- **up to 1,500 USD** of savings on operation costs per year - remote management
- off-grid operation
- compatible with OOH advertising

Pruszków,
Poland

shelter

over 30
implementations
worldwide

quality of life

mobility

remote
management

integration
with external
solutions

damage
resistance

public
information

e-ink
screen

audio
system

Wi-Fi
hotspot

LED
lighting

USB
ports

wireless
charger

remote
management

environmental
sensors

SEEDiA product catalog 2025

SEEDiA™

Solar shelter

03

for bus and tram stops

Our bus stop shelter is an **energy-independent** smart device that provides residents with access to up-to-date information and multimedia when using public transportation. It can work with no external power supply and can be **managed remotely** throughout the year, no matter the weather conditions. Our shelter is packed with features such as a display case with an **e-ink screen**, LED lighting, and **the environmental sensors**. Underneath the canopy, you can also find a bench that is equipped with wireless chargers and USB ports.

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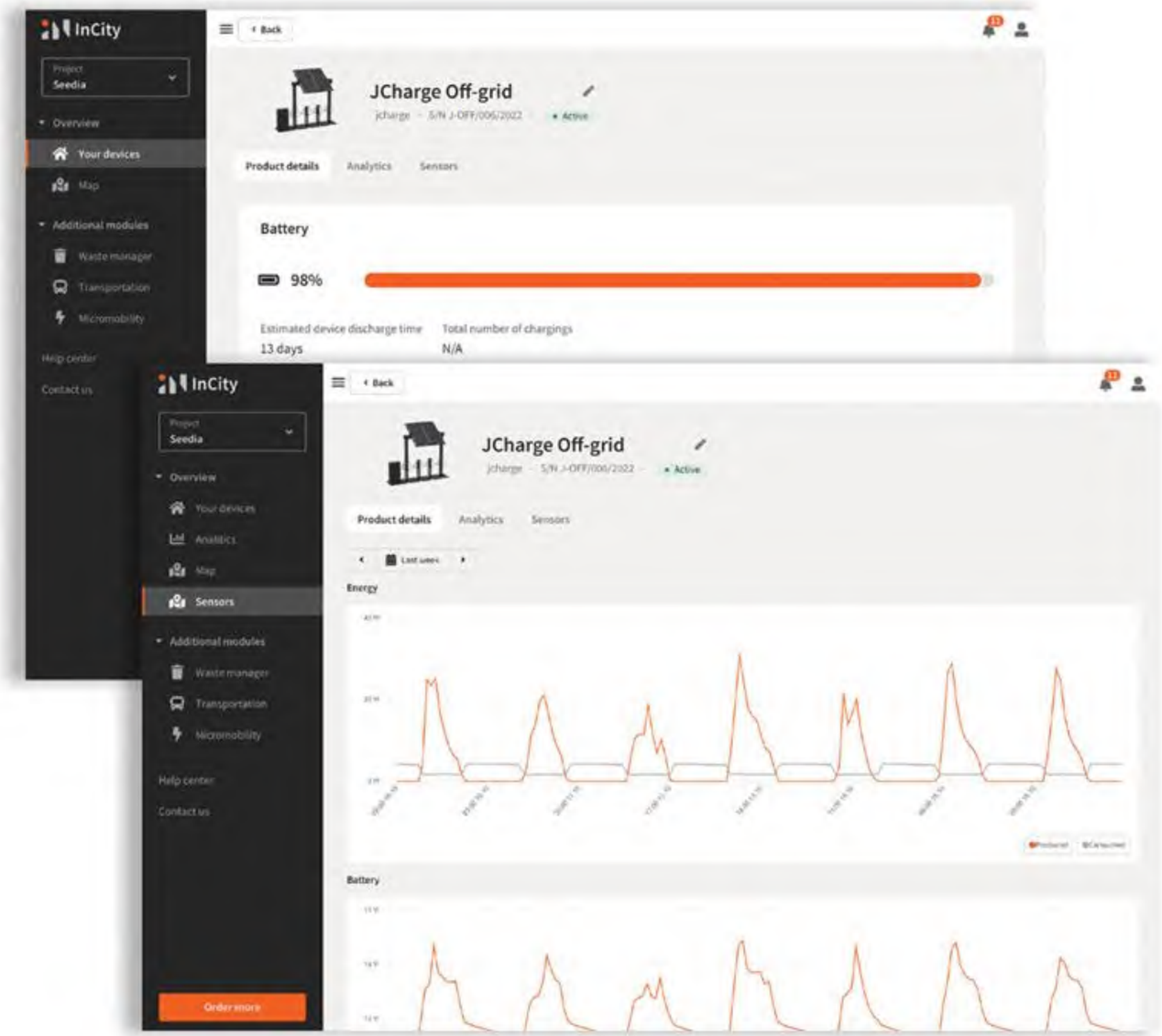
technical specs

InCity

micromobility

- number of users analysis
- LED lighting color management
- automatic bill generation (per station)
- heat map of station utilization
- daily analysis of station usage
- economic analysis of the station
- ESG reports for administrators
- user database management
- integration with the payment module



jCharge

- cost reduction for e-vehicle operators
- off-grid operation
- data collecting and analysis
- supporting a green way of traveling
- optimization of parking space
- diversification of way-to-work means
- improvement of last-mile solutions

Warsaw,
Poland

SEEDiA product catalog 2025

jcharge

over 70
implementations
worldwide

SEEDiA™

jCharge

charging stations for micro-electromobility

This charging station for electric scooters and bikes is a fully **modular** innovative product that was designed to boost **the development of micromobility** in cities. Thanks to effective **solar panels** our device can work free of any external power supply. By default, the jCharge station consists of 4 poles with single or double-sided docking stands. Each stand is equipped with a holder for scooters or a tilting arm mechanism meant for bikes. Additionally, all parked vehicles can be secured with an e-lock. Right next to the charging stands, there is a central module that allows **user authorization** with QR codes or RFID cards.

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Anthracite grey

technical specs

off-grid / hybrid

on-grid

jCharge

01

roofed versions

Our charging stations for **micro-electromobility** vehicles are also available in variants with a partially open canopy or container-shaped **enclosed shelter**. All stations can run as on-grid devices or can be additionally equipped with solar panels within off-grid and hybrid versions. There are **3 products in the lineup** - a 2-sided open "Basic" canopy, a 1-sided open "Secure" canopy, and a fully closed canopy called "Prestige".

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Anthracite grey

technical specs

Secure

Basic

Prestige

Transport 4.0

Pułtusk

with SEEDiA products

Transport 4.0 stands for a new, better, and redefined quality of moving around cities. It's an easier access to sustainable mobility and the introduction of automation elements to the public transportation infrastructure.

A combination of a solar-powered bus stop shelter and a charging station for electric vehicles makes it easier for users to rely on last-mile solutions which is the remaining route section between public transport stop and their final destination.

remote management system

automatic timetable updating

off-grid / hybrid operation

support for green transformation in cities

increase of comfort of mobility

Trash can

several dozen implementations worldwide

learn more at seedia.city

SEEDiA™ solutions supporting the development of green cities

fill level sensor

additional internal container

LED lighting

integration with InCity

ashtray

off-grid operation

branding

security

SEEDiA product catalog 2025

SEEDiA™

Smart trash can

Seedia's solar trash can meets the need for effective municipal waste management in cities. A built-in **fill level sensor** allows for better optimization of the routes planned by municipal services responsible for emptying bins. Furthermore, our trash can is equipped with **LED lighting**, making it easier to spot the device in the dark. On the top surface, you can find a **large ashtray** for convenient use. The distinctive slanted shape is inspired by Seedia's flagship bench design.

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Anthracite grey

technical specs

Suno

bicycle repair station

Suno is a product codeveloped with Ibombo. This self-service bicycle repair station is not only a spot where you can quickly check and fix your bike. It's also an innovative, **energy-independent** device that, thanks to an integrated solar panel, allows for **wireless and conventional charging** of mobile devices. The station is also packed with **LED lighting** equipped with a motion sensor. On board, there's also an electric **compressor** with an adapter for various tube valves, a **pressure gauge**, and a **tool kit** secured with steel cables.

60 30 20 80

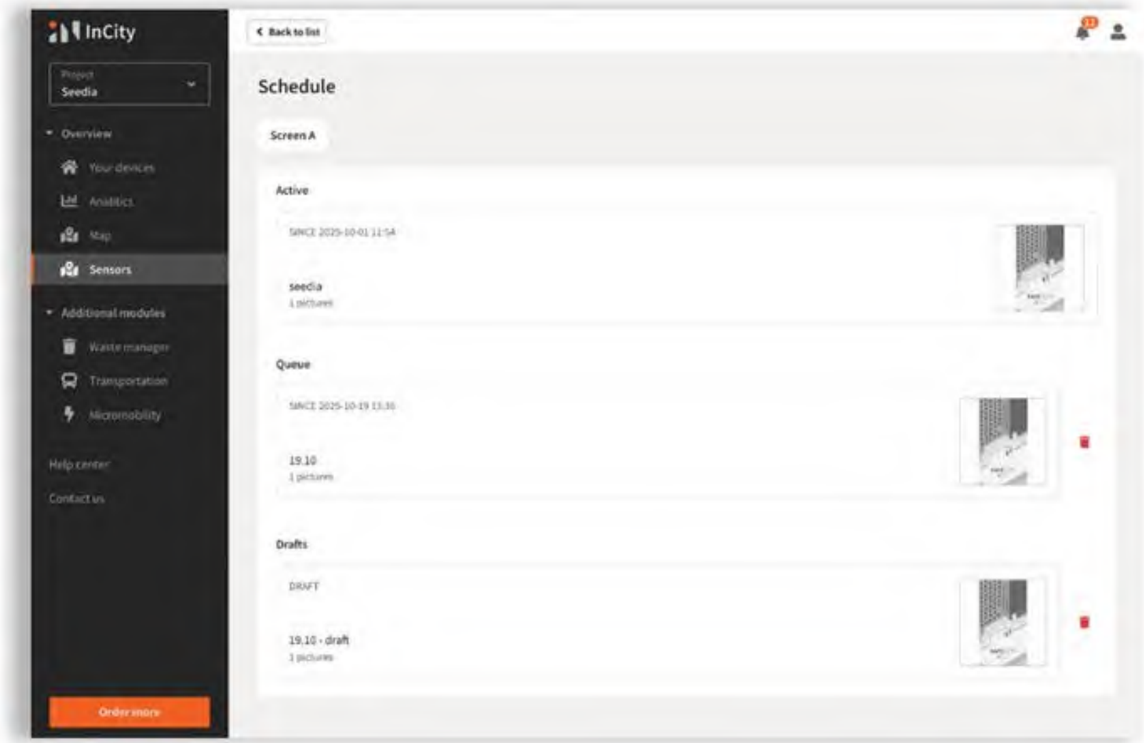
R: 56 G: 62 B:66
Hex: #383e42
RAL 7016

technical specs

InCity

CMS

- remote management of content displayed on e-ink screens
- integration with external APIs for passenger information and announcements
- integration with an API for advertising management
- support for various display types (different color palettes, screen sizes, and resolutions)
- a tool for display scheduling
- voice announcement support



InCity *basic* → **status information + urban sensors**
(e.g., generated energy, number of users)

InCity *micromobility* → *basic* **+ Urbmap mobile app + jCharge product lineup**
(e.g., reservation systems, payments, rental history, operators, heat map)

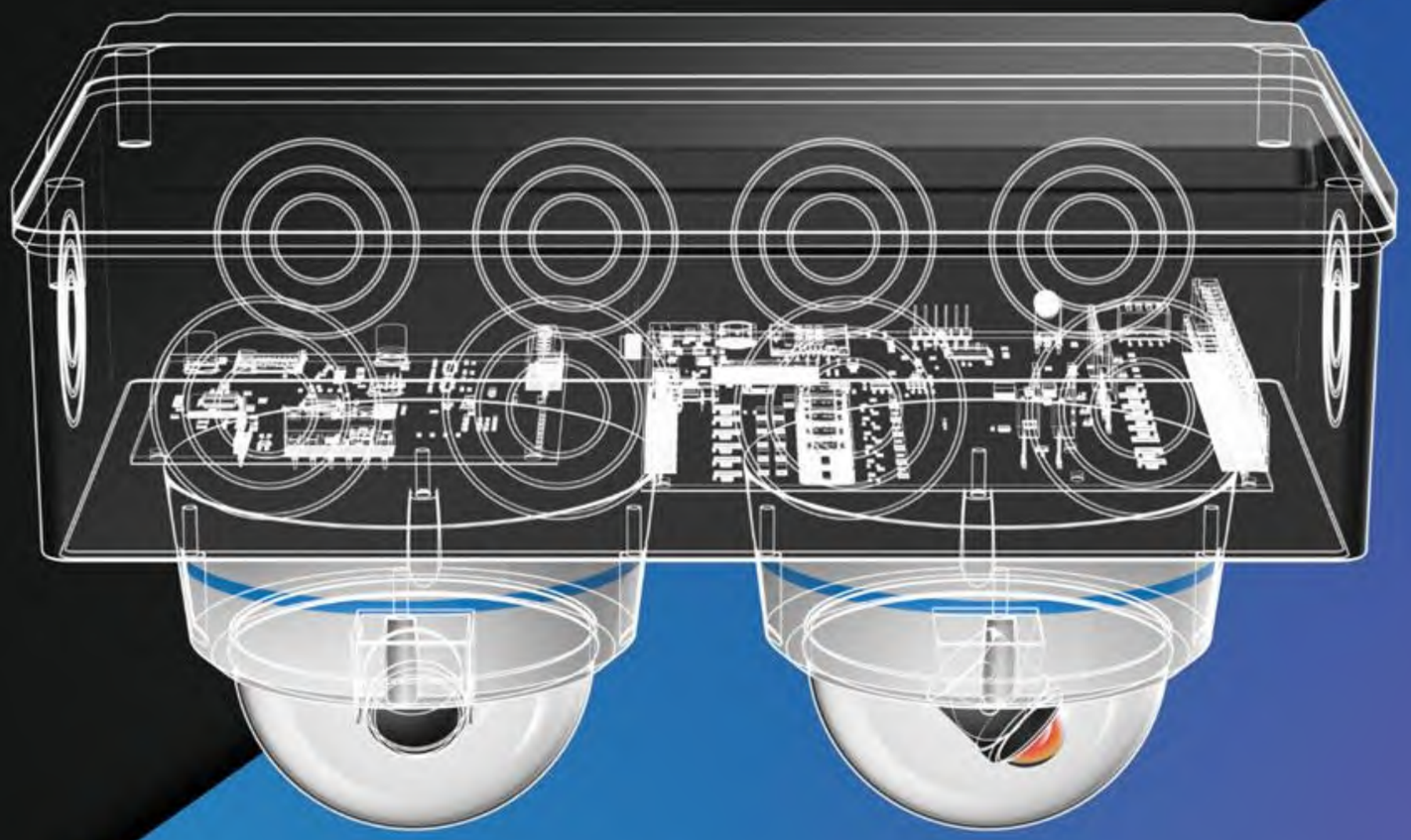
InCity *CMS* → *basic* **+ content management (e-ink, audio)**
(e.g., content displayed on e-ink screens)

InCity *ultimate* → *basic* + *micromobility* + *CMS*

Mobility Analytics

AI-powered camera module

NVIDIA



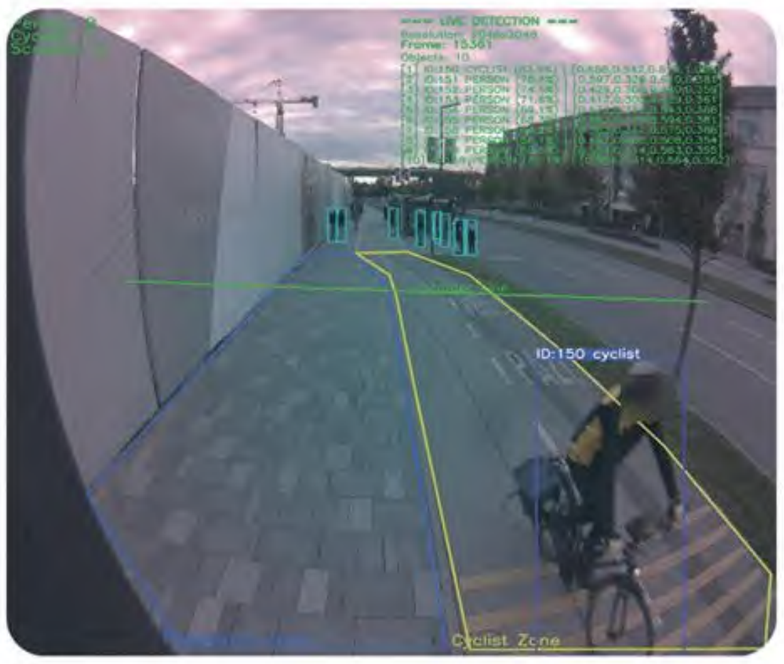
AI

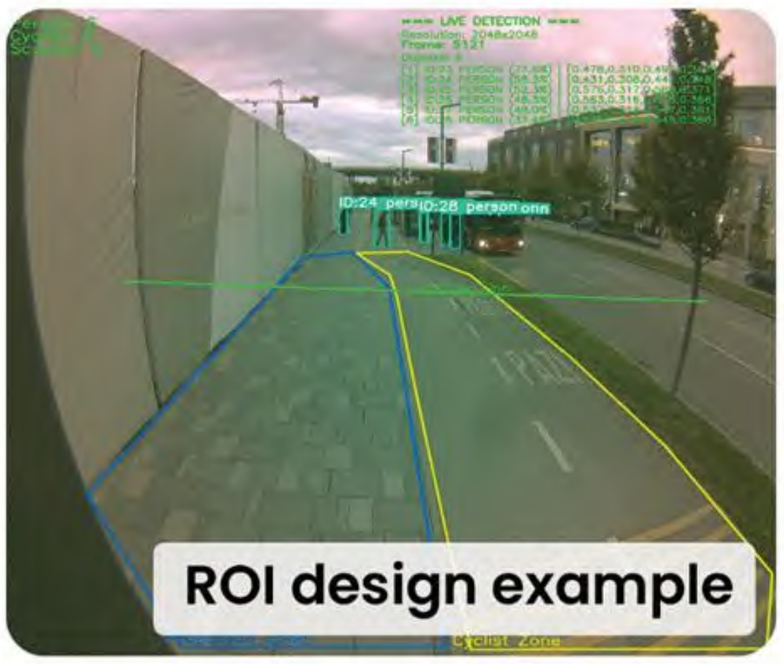
FEATURES

- Nvidia Jetson Orin Nano-based
- dangerous event detection
- bicycle counting
- scooter counting
- pedestrian counting
- GDPR compliant
- off-grid operation (battery / solar-powered)
- up to two cameras/lenses in a single module

USER'S BENEFITS

- statistics information
- educational attention
- integration with an e-ink display
- audio caution system
- light information
- real-time product management
- supported by InCity
- edge computing





Urbmap

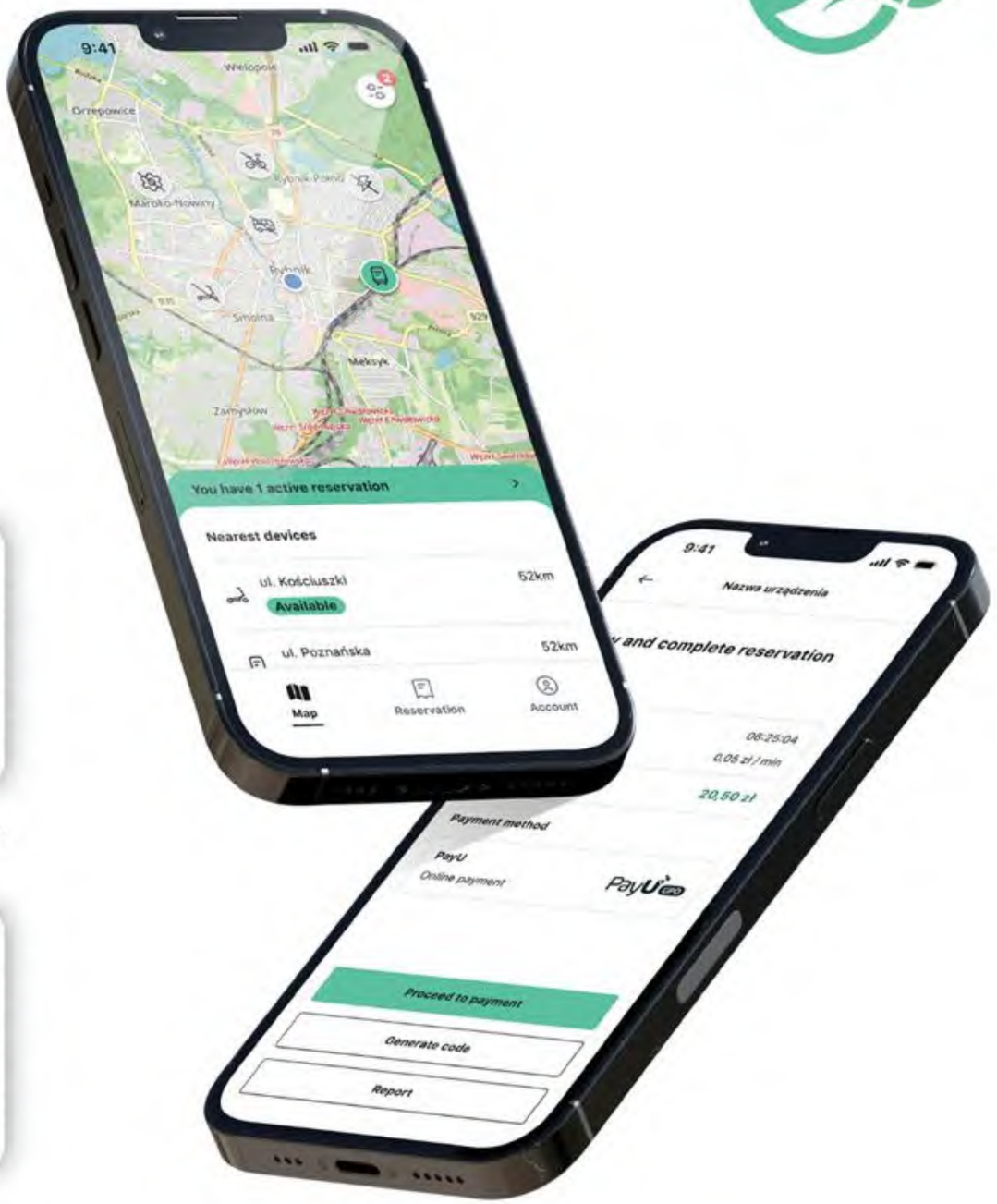
mobile app

Urbmap is Seedia's latest digital product.
The app allows users to fully utilize the potential of our smart street furniture. It's a real support for micro-electromobility. Navigate, reserve, and charge your vehicles in one place.

- way-to-device navigation
- user authorization
- reservation module
- full booking history
- payment module
- gamification module - green points and rankings
- support for fleet rental systems
- integration with external city product databases
- searching and preview of available furniture
- product filtering
- fault reporting module

Google Play

App Store



Implementation map

SEEDiA products

+250 cities

+30 markets

+20 distributors

including: Poland, Great Britain, Hungary, France, Greece, Ireland, Czech Republic, Latvia, Lithuania, Romania, Serbia, Sweden, Slovakia, Moldova, Germany, Turkey, Cyprus, Kosovo, Portugal, Denmark, Spain, Canada, USA, Argentina, Israel, Saudi Arabia, UAE, RSA, Japan

Integrations

VIVE TEXCELLENCE

ibombo.com
RIDE & BE HAPPY

ams

Integrations

budimex

FULCO SYSTEM

skycash

urbmap

PARKCASH

AnyPark

SMARTFACTOR by cyclomedia

Customers

local governments and communes

Athens

rzeszów
stolica innowacji

Budapeszt

Rijad

Bucharest

Takasaki

Toronto

Heraklion

Osaka

Ryga

Constanța

UNDP

Rybnik

Szczecin

Norwich

+50
other cities

Customers

corporate clients

office & HoReCa

SKANSKA

Westfield

AstraZeneca

CBRE

orange

Nordea

ATRIUM BIAŁA
Z MYŚLĄ O TOBIE

globalworth

KLEPIERRE

logistics & manufacturing

CATERPILLAR

BOSCH

TAURON

InPost
out of the box

budimex

ibombo.com
RIDE & BE HAPPY

schools & universities

UNIWERSYTET WARSZAWSKI

AGH

UEA University of East Anglia

POLITECHNIKA GDAŃSKA

Manufacturing

and certification

Our solar-powered street furniture
is designed and produced in Poland.

certificates

- IK09 declaration
- IP55 declaration
- CE-compliant
- registration in Community design

SEEDiA offices in

Cracow
Kielce
Warsaw
Szczecin

hand assembled in

Bielsko-Biała

Testimonials

Rafał Brzoska
CEO InPost Group

Collaboration with Seedia and the opportunity to develop a joint offering, supporting micromobility, and further reducing the carbon footprint of the InPost logistics system makes it easier to engage in dialogue with cities and landowners where we install our machines. [...]

Konrad Fijołek
Mayor of Rzeszów

Seedia's products align perectly with Rzeszów's vision
as an innovative and environmentally friendly city.
They also provide valuable data about the city's operations.

Piotr Niekraszewicz
SC Manager Klepierre

Klepierre Group has chosen to collaborate with Seedia
by implementing the solar charging station jCharge at Sadyba Best Mall,
thereby supporting enviromentally friendly transportation. [...]

Jaime Bellolio
Mayor of Providencia
commune, Santiago

We're currently sitting on a bench that isn't any ordinary bench. [...]
It's eco-friendly, solar-powered, and at the same time allows users to relax,
listen to music, and plug their phones. We all need to take care of it!

Traian Urban
Director of
Innovation Hub East

Seedia is a highly innovative company and a valued Silver Partner
of EIT Urban Mobility. We truly appreciate our cooperation with
a company that actively leads change in the micromobility sector through
forward-thinking solutions and a strong commitment to sustainability.

Achievements

competition finalist
Good design 2018
solar bench City Classic

Orange Fab
Best Startup 2018

Green Product of the Year
PLGBC Green Building Awards 2018
solar bench Future

„Urban Environment" finalist
8. Smart City Expo in Barcelona
SEEDiA Future City ecosystem in Cracow

NXP Award
at Innovex 2024 Pitch Contest

The K-Startup Grand Challenge 2020
TOP 30 teams

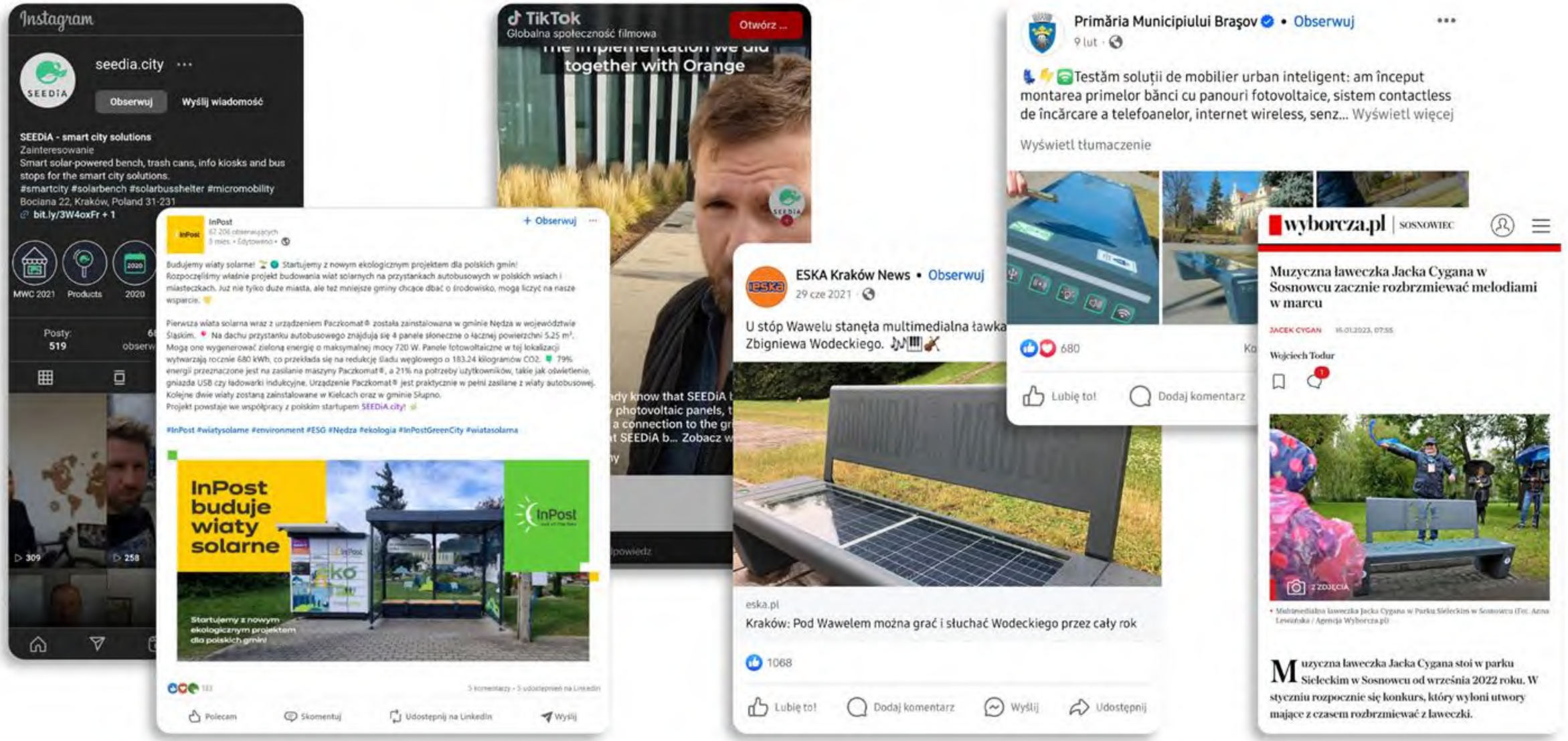
Carbon Footprint Summit 2020
innovations in public space

competition finalist
Good design 2020
line of disinfecting liquid dispensers

best product
Green Energy Congress
Cracow 2021

Media

Learn more about SEEDiA at:



publications: Forbes · BUSINESS INSIDER · MY COMPANY · NATIONAL GEOGRAPHIC · interia · Puls Biznesu · cyfrowa rp.pl

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