PREMIUM QUALITY SOLAR-POWERED OUTDOOR FURNITURE

Product Catalog
2025
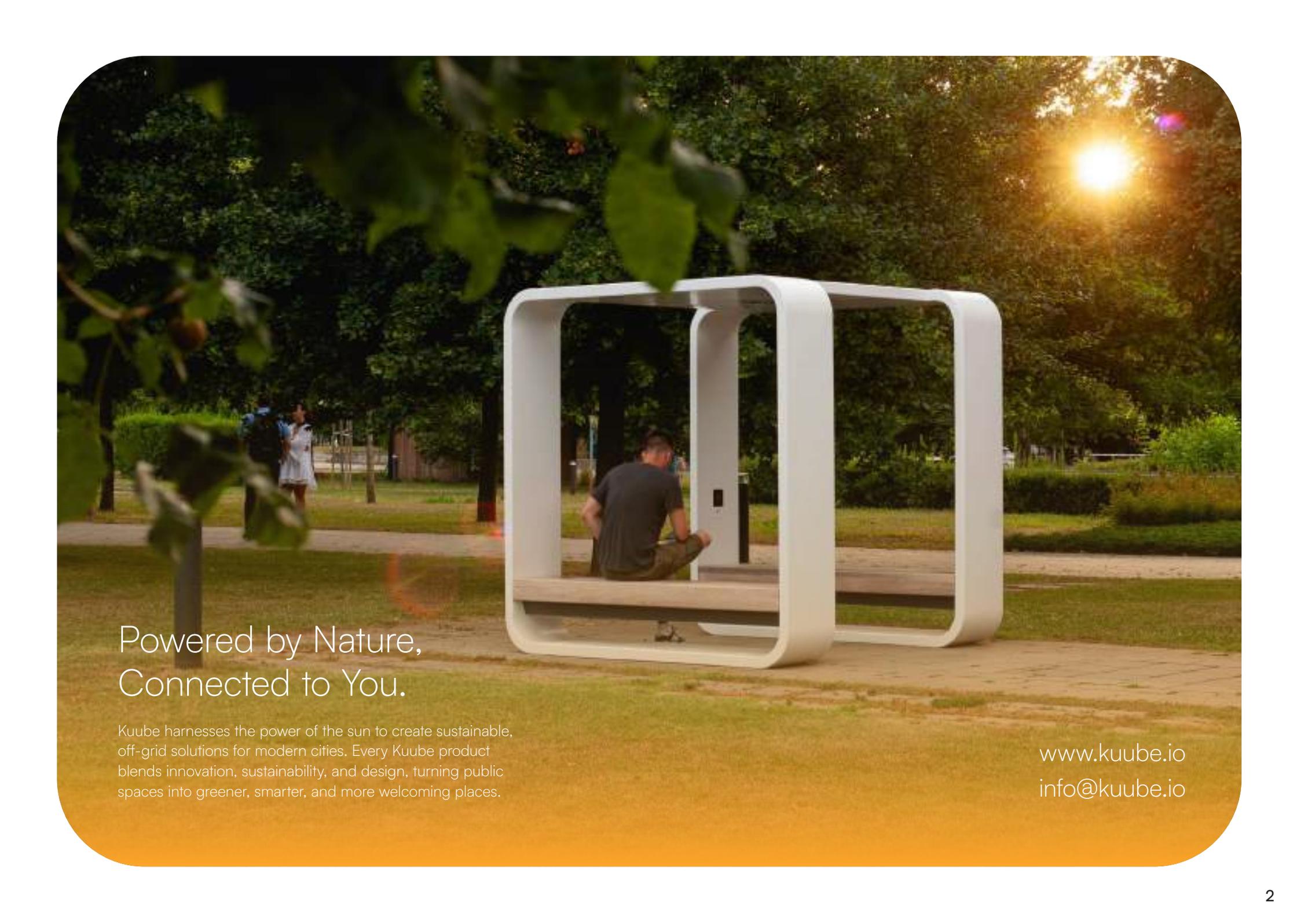
KUUBE

Powered by Nature,
Connected to You.

Kuube harnesses the power of the sun to create sustainable, off-grid solutions for modern cities. Every Kuube product blends innovation, sustainability, and design, turning public spaces into greener, smarter, and more welcoming places.

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2

TABLE OF CONTENT

Kuube SMART HUB

SMART HUB

Multifunctional smart hub combining seating, connectivity, and interactive digital services.

Equipped with touchscreens and a studio-quality sound system, the hub not only provides practical digital services but also becomes an interactive platform for communication and experiences. Its shaded, ergonomic design ensures comfort in all weather conditions.

Use cases

- City centers & smart districts
- Transportation hubs (bus, tram, metro)
- Corporate campuses & universities
- Event & festival grounds
- Tourism hotspots

8 seats	**1** 4G / 5G hotspot	**2** 7" touch screens
2 wireless Qi chargers	**2** USB-C chargers	**1** built-in HQ speakers

☁ environmental sensors

temperature · humidity · air pressure · air quality · UV · motion

Why it's unique

01 Large shaded structure creating a comfortable, year-round outdoor island.

02 LED ambient lighting enhances visibility and evening safety.

03 Advanced environmental sensors with real-time data collection.

04 Equipped with the **Resysten® Clean Air System** to actively reduce air pollution.

05 Modular, solar-powered design with **customizable** colors and branding.

SMART HUB

Key features

01 **Solar-powered,** fully off-grid system (no utility connection needed).

02 **Seats up to 8 people** with 4G/5G Wi-Fi and multiple USB-C & Qi chargers.

03 **Integrated sensors** offer ambient insights into temperature, humidity, pressure, UV, air quality and motion detection.

04 **RGB LED lighting** improves ambience and evening safety.

05 **Durable, vandalism-proof** structure with powder-coated aluminum, ash wood and tempered glass.

06 **Two 7" touch screens** and **HQ audio system with Bluetooth** or preloaded sound.

07 **Resysten® Clean Air System** — photocatalytic coating that actively cleans the air safely and continuously.
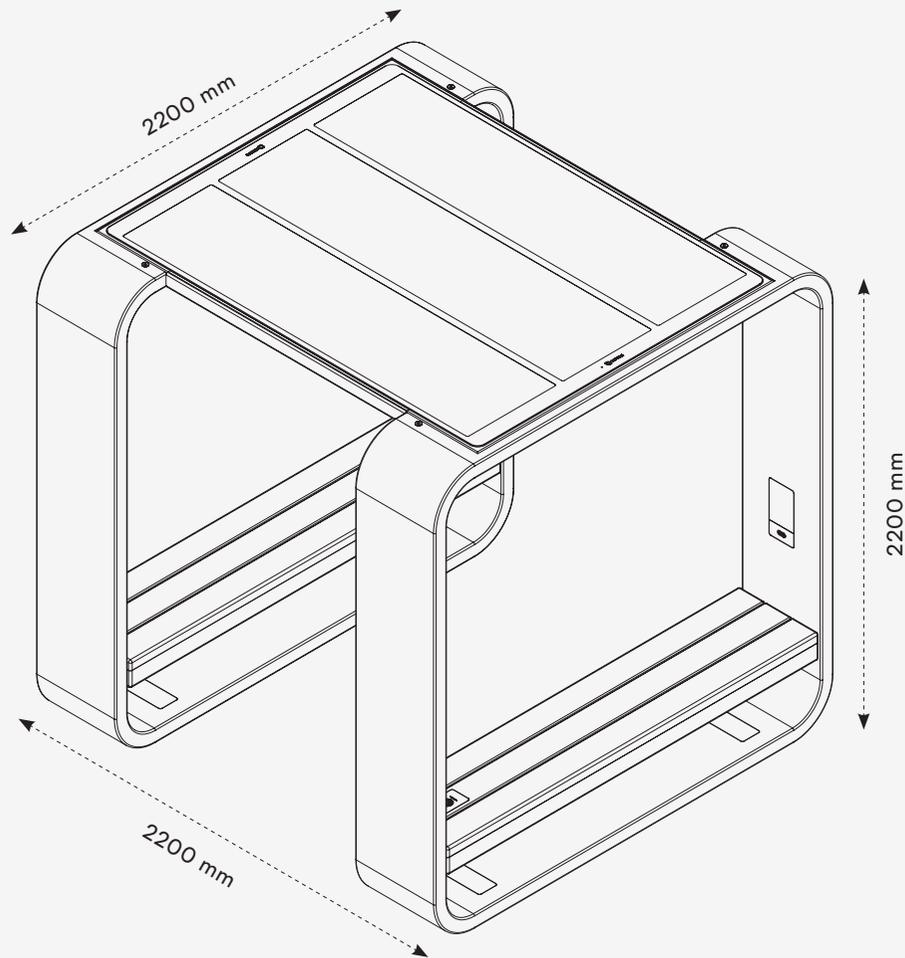

## Customization

Color & Branding
Kuube smart furniture is available in any RAL shade, allowing perfect alignment with your project's design and surroundings. Corporate clients can customize products with their own logo and brand colors for a unique, recognizable presence.

Technical details

solar power	520 W monocrystalline panels
battery capacity	168 Ah AGM
lighting	3 m RGB LED
connectivity	4G/5G based Wi-Fi hotspot
weight	approx. 550 kg
dimensions	2200 × 2200 × 2200 mm
materials	aluminum chassis, tempered (anti-graffiti coating) glass, ash wood seating
USB-C charger	two
Qi charger	two
sensors	temperature, humidity, air pressure, air quality, UV, motion
displays	two 7" touch-screen / two 2.4" TFT display
audio	integrated HQ audio system with Bluetooth connectivity
mode	all seasons
dashboard	data collection: traffic, energy, usage

2200 mm

2200 mm

2200 mm
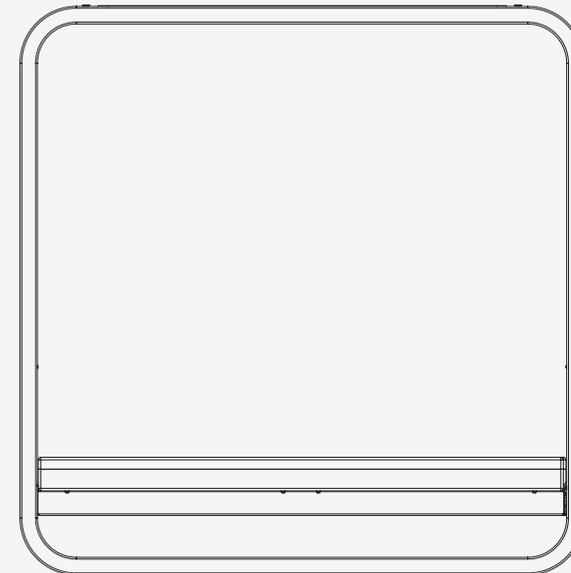
Kuube^NANO

NANO

Compact yet powerful: all the core Kuube smart functions in a smaller footprint.

The Kuube^NANO is a compact, minimalist smart bench that offers full functionality despite its small size. Powered entirely by solar energy, it provides free Wi-Fi, wireless and USB-C charging, and collects environmental data.

Use cases

- university & company campuses
- public parks & recreation areas
- urban walkways & bike paths
- smart residential complexes

4 seats

1 4G / 5G hotspot

2 wireless Qi chargers

2 USB-C chargers

environmental sensors

temperature · humidity · air pressure · air quality · UV · motion

Why it's unique

01 Perfect balance of timeless design and function: stylish enough for city centers, small enough for community parks.

02 Affordable smart entry point: lower size and weight mean easier installation and flexibility.

03 Advanced environmental sensors with real-time data collection.

04 Equipped with the **Resysten® Clean Air System** to actively reduce air pollution.

05 Modular, solar-powered design with **customizable** colors and branding.

NANO

Key features

01 **Solar-powered,** fully off-grid system (no utility connection needed).

02 **Compact size**, modern design with a 2.4" TFT information display

03 **Seats up to 4 people** with 4G/5G Wi-Fi and multiple USB-C & Qi chargers.

04 **Integrated sensors** offer insights into temperature, humidity, pressure, UV, and air quality, motion detection

05 **1 m RGB LED ambient lighting** (16M+ colors)

06 **Durable, vandalism-proof** structure with powder-coated aluminum and tempered glass.

07 **Resysten® Clean Air System** — photocatalytic coating that actively cleans the air safely and continuously.


Customization

Color & Branding
Kuube smart furniture is available in any RAL shade, allowing perfect alignment with your project's design and surroundings. Corporate clients can customize products with their own logo and brand colors for a unique, recognizable presence.

Technical details

solar power	183 W monocrystalline panels
battery capacity	56 Ah AGM
lighting	1 m RGB LED
connectivity	4G based hotspot
weight	approx. 180 kg
dimensions	1798 x 450 x 778 mm
materials	aluminum chassis, tempered (anti-graffiti coating) glass
USB-C charger	two
Qi charger	two
sensors	temperature, humidity, air pressure, air quality, UV, motion
displays	one 2.4" TFT display
mode	all seasons
dashboard	data collection: traffic, energy, usage

1798 mm

450 mm

778 mm
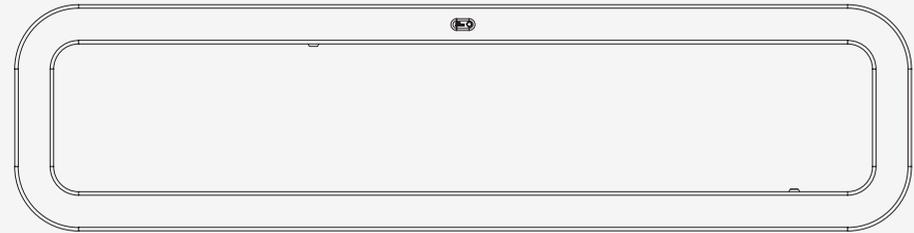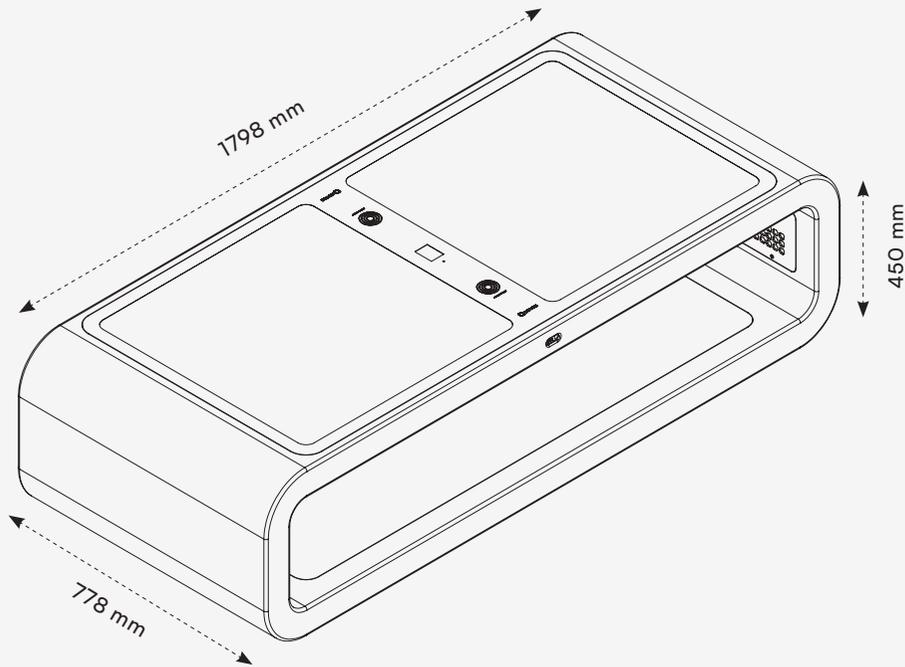
Kuube^{ECO}

ECO

Most accessible Kuube model: designed to bring smart city features to any location.

Kuube^{ECO} is a minimalist yet versatile smart bench that provides all essential functions in a simple, accessible form. Designed for three people, it offers USB and wireless charging, free Wi-Fi, and environmental sensors, making it a valuable element of everyday urban life.

Use cases

- smaller community parks
- suburban bus stops & neighbourhood squares
- eco-focused projects & pilot smart city programs
- school yards, playgrounds

3 seats	**1** 4G / 5G hotspot
1 wireless Qi chargers	**2** USB-C chargers

☁ environmental sensors

(temperature) (humidity) (air pressure) (air quality) (UV) (motion)

Why it's unique

01 Perfect balance of timeless design and function: stylish enough for city centers, small enough for community parks.

02 Affordable smart entry point: lower size and weight mean easier installation and flexibility.

03 Advanced environmental sensors with real-time data collection.

04 Equipped with the **Resysten® Clean Air System** to actively reduce air pollution.

05 Modular, solar-powered design with **customizable** colors and branding.

ECO

Key features

01 Solar-powered, fully off-grid system (no utility connection needed).

02 Lightweight and cost-effective design with a 2.4" TFT information display

03 Seats up to 3 people with 4G/5G Wi-Fi and multiple USB-C & Qi chargers.

04 Integrated sensors offer insights into temperature, humidity, pressure, UV, and air quality, motion detection

05 1 m RGB LED ambient lighting (16M+ colors)

06 Durable, vandalism-proof structure with powder-coated aluminum and tempered glass.

07 Resysten® Clean Air System — photocatalytic coating that actively cleans the air safely and continuously.
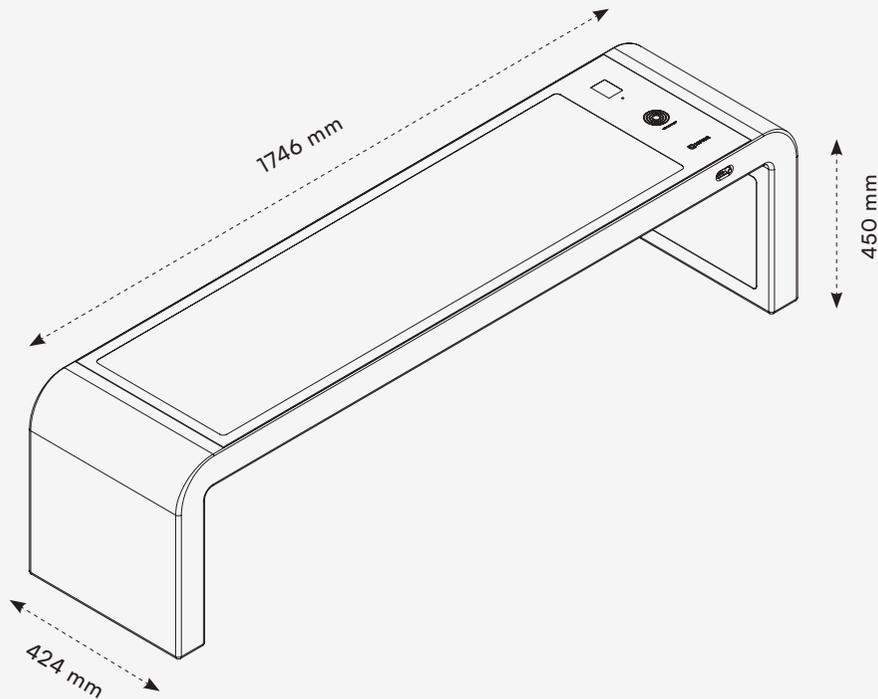

Customization

Color & Branding
Kuube smart furniture is available in any RAL shade, allowing perfect alignment with your project's design and surroundings. Corporate clients can customize products with their own logo and brand colors for a unique, recognizable presence.

Technical details

solar power	92 W monocrystalline panels
battery capacity	28 Ah AGM
lighting	1 m RGB LED
connectivity	4G based hotspot
weight	approx. 90 kg
dimensions	1746 x 450 x 424 mm
materials	aluminum chassis, tempered (anti-graffiti coating) glass
USB-C charger	two
Qi charger	one
sensors	temperature, humidity, air pressure, air quality, UV, motion
displays	one 2.4" TFT display
dashboard	data collection: traffic, energy, usage

1746 mm
450 mm
424 mm

BOOK

The world's first solar-powered public book exchange system.

Kuube^{BOOK} is encouraging reading, sharing, and connection in public spaces. Combining renewable energy with cultural value, it functions as an off-grid, LED-lit "bring one, take one" library for urban communities.

Use cases

- parks, promenades, and community centers
- libraries and educational institutions
- public squares and cultural zones
- eco-focused municipal projects

4 m
RGB LED strip

1
4G / 5G hotspot (optional)

Why it's unique

01 Combines **smart furniture with community** engagement.

02 Operates fully off-grid with **renewable energy.**

03 Elegant, modern design that **promotes reading and interaction**

04 Equipped with the **Resysten® Clean Air System** to actively reduce air pollution.

BOOK

Key features

01 **Solar-powered,** fully off-grid system (no utility connection needed).

02 **Integrated book exchange shelf.**

03 **Ambient LED lighting** for safe night-time use.

04 **Durable, vandalism-proof** structure with powder-coated aluminum and tempered glass.

05 **Resysten® Clean Air System** — photocatalytic coating that actively cleans the air safely and continuously.

**06** **Promotes literacy and social connection.**


Customization

Color & Branding
Kuube smart furniture is available in any RAL shade, allowing perfect alignment with your project's design and surroundings. Corporate clients can customize products with their own logo and brand colors for a unique, recognizable presence.

Technical details

solar power	92 W
battery capacity	28 Ah AGM
lighting	4 m RGB LED
connectivity	4G based hotspot
weight	approx. 200 kg
dimensions	1200 x 2200 x 600 mm
materials	aluminum chassis, tempered (anti-graffiti coating) glass
mode	all seasons

1200 mm

2200 mm

600 mm
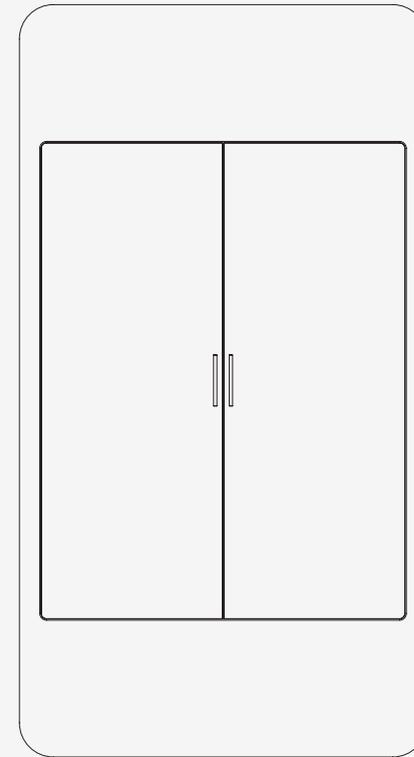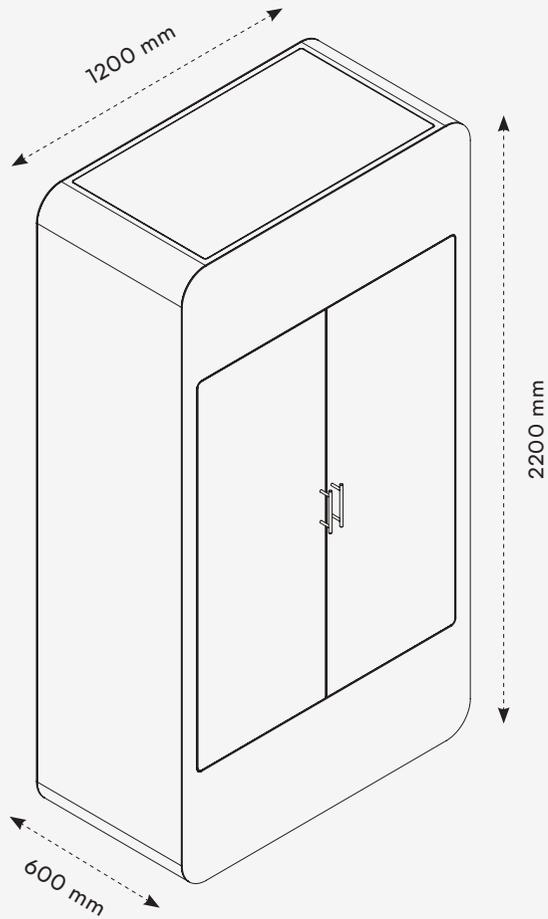
Kuube BASIC

BASIC

Complements Kuube smart furniture for visual harmony.

Kuube^{BASIC} is developed in response to the demand for uniform public seating, it offers the same high-quality craftsmanship and materials as our smart models - but without charging, connectivity, or sensors.

Use cases

- parks and recreation areas
- city squares and promenades
- public institutions and campuses
- complementary seating next to kuube smart benches

3
seats

High quality materials

Why it's unique

01 Offers a premium, minimalist design for traditional seating needs.

02 Built from the same **high-quality, weather-resistant materials.**

03 Ideal for integrating smart and classic furniture within one spaceIdeal.

04 Equipped with the **Resysten® Clean Air System** to actively reduce air pollution.

BASIC

Customization

Color & Branding

Kuube smart furniture is available in any RAL shade, allowing perfect alignment with your project's design and surroundings. Corporate clients can customize products with their own logo and brand colors for a unique, recognizable presence.

Technical details

solar power	-
battery capacity	-
lighting	-
connectivity	-
weight	approx. 80 kg
dimensions	1746 x 440 x 450 mm
materials	steel chassis, ash wood seating

1746 mm

450 mm

440 mm
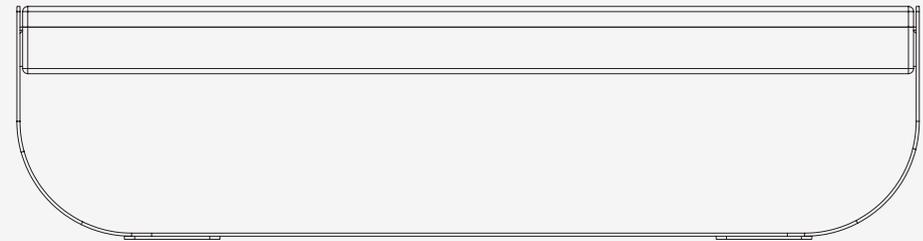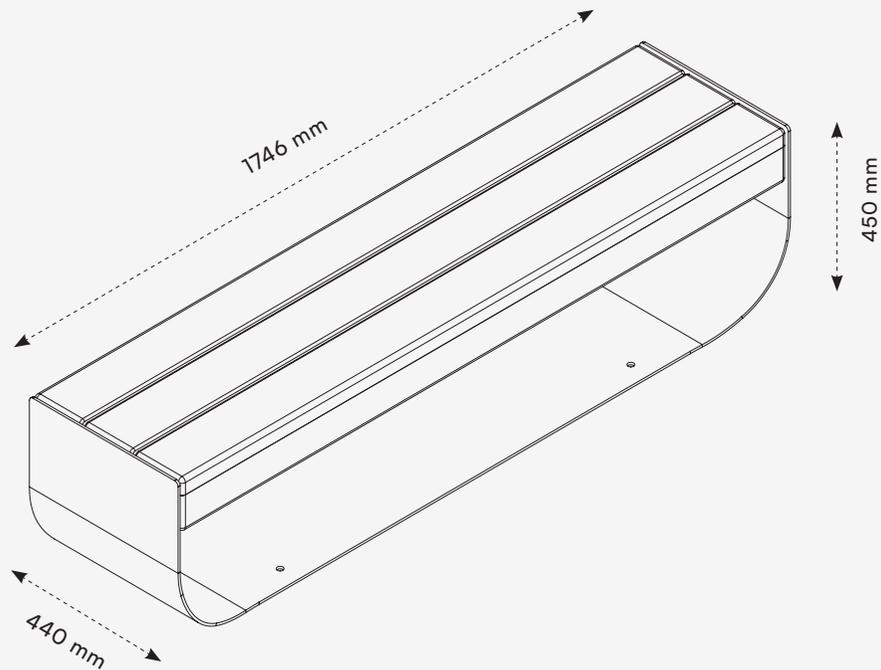
Product comparison

	SMART HUB	NANO	ECO	BOOK
solar power	520 W monocrystalline panels	183 W monocrystalline panels	92 W monocrystalline panels	92 W
battery capacity	168 Ah AGM	56 Ah AGM	28 Ah AGM	28 Ah AGM
lighting	3 m RGB LED	1 m RGB LED	1 m RGB LED	4 m RGB LED
connectivity	4G/5G based Wi-Fi hotspot	4G based Wi-Fi hotspot	4G based Wi-Fi hotspot	4G based Wi-Fi hotspot
weight	approx. 550 kg	approx. 180 kg	approx. 90 kg	approx. 200 kg
dimensions	2200 × 2200 × 2200 mm	1798 x 450 x 778 mm	1746 x 450 x 424 mm	1200 x 2200 x 600 mm
seats	8	4	3	-
charging options	2 x USB-C, 2 x Qi wireless	2 × USB-C, 2 × Qi wireless	2 × USB-C, 1 × Qi wireless	-
sensors	temperature, humidity, air pressure, air quality, UV, motion	temperature, humidity, air pressure, air quality, UV, motion	temperature, humidity, air pressure, air quality, UV, motion	-
displays	2 × 7 inch 2500 nits IPS touch	1 x 2.4 inch 1000 nits TFT	1 x 2.4 inch 1000 nits TFT	-
audio	integrated HQ audio system with Bluetooth connectivity	-	-	-
mode	all seasons	all seasons	-	-
dashboard	data collection: traffic, energy, usage	data collection: traffic, energy, usage	data collection: traffic, energy, usage	-
special features	interactive media platform, sound system	compact size, sensors	entry-level, eco-friendly	integrated book exchange system, solar-powered lighting

Global presence

Smart cities around the world choose Kuube

Kuube smart furniture is already shaping public spaces across the globe. From bustling European capitals to forward-thinking cities overseas, our benches and smart stops bring renewable energy, connectivity, and community engagement to urban environments of all sizes.

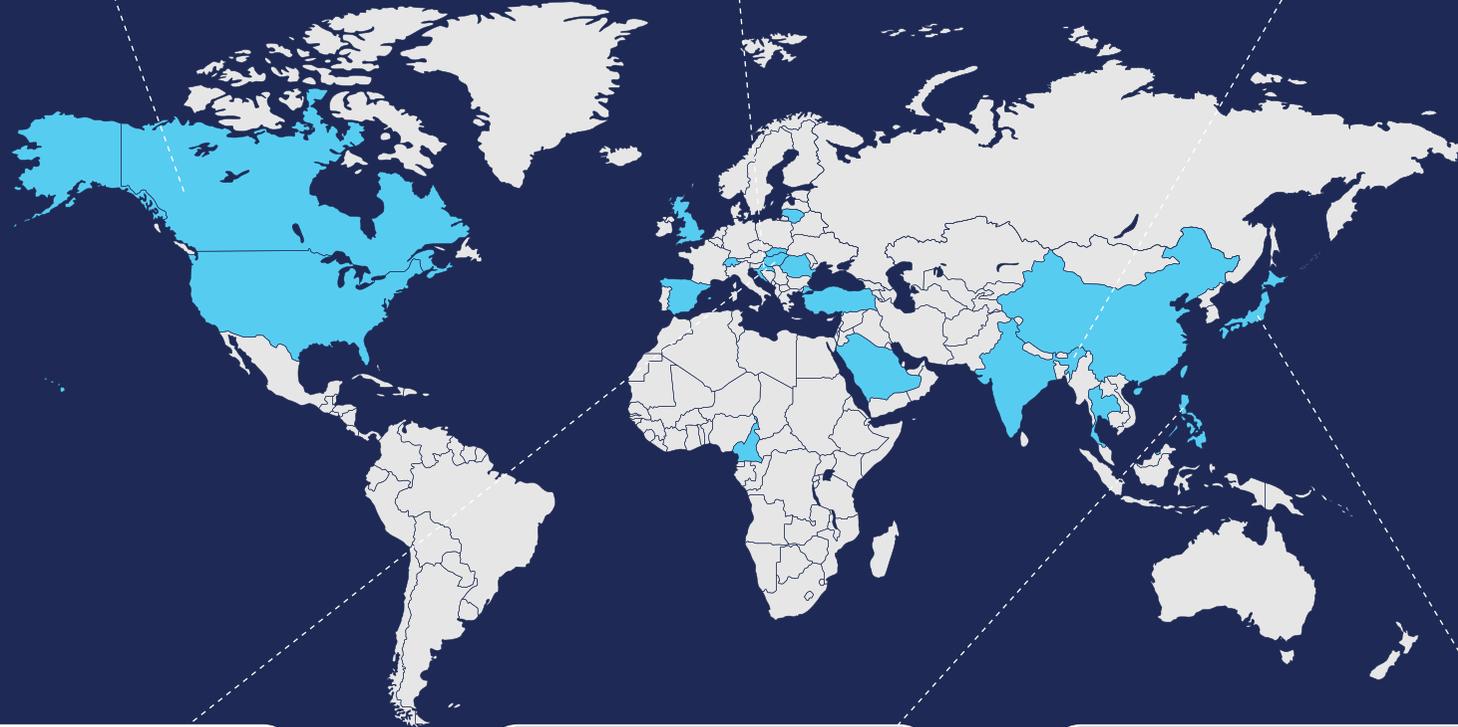### Canada
The first Kuube smart benches in North America, establishing a strong foothold in the Canadian market.

Croatia
The first international Kuube installation in Europe, marking the beginning of Kuube's global expansion.

Thailand
The first Asian installation, featuring all three Kuube product lines also the first with a built-in interactive display.

Hungary
Kuube was founded and developed in Hungary, where every idea, design, and prototype first came to life.

Philippines
First Kuube benches installed in the BGC area, strengthening regional expansion across Asia.

Japan
Ceremonial handover of the Kuube$^{SMART HUB}$ with the Governor of Tokyo, celebrating the introduction of Kuube's flagship smart furniture in Japan.

What's
coming

STOP

Next-generation solar-powered smart stop combining shelter, connectivity, and sustainability.

Kuube^{STOP} represents the evolution of public transport infrastructure - clean, efficient, intelligent, and built for the smart cities of tomorrow.

Key features

01 Fully off-grid operation — no utility connection needed.

02 Seats up to 10 passengers.

03 Wi-Fi hotspot (4G/5G-ready) **with USB-C & Qi wireless charging.**

04 Dual 7"touch displays providing real-time route and city updates.

05 Built-in AI assistant for voice-based navigation and travel information.

Planned release date: 2026 Q2

10 seats	**1** 4G / 5G hotspot	**2** 7" touch screens	**1** green wall	**1** automatic watering
2 wireless Qi chargers	**2** USB-C chargers	**1** built-in HQ speakers	**1** built-in citylight	**1** built-in AI assistant

environmental sensors

temperature   humidity   air pressure   air quality   UV   motion

Marketing

MARKETING

Kuube for Events - Smart design that engages people

Kuube benches offer more than seating - they create interactive meeting points for festivals, exhibitions, and public events. With built-in charging, Wi-Fi, lighting, and optional audio features, they enhance visitor comfort while reinforcing an event's innovative, sustainable image.

Event organizers benefit from

01   Quick, tool-free installation (no external power needed).

02   Custom branding and lighting for unique visual identity.

03   Real-time usage data (Wi-Fi connections, charging sessions).

04   Comfortable rest points that enhance visitor experience.

"A functional, eco-friendly element that guests actually use - and remember."

With over 100 Kuube benches active in Hungary alone - averaging 60+ users per month per furniture - the platform offers quantifiable engagement for both municipal campaigns and private brands.

Smart Urban Marketing - Redefining outdoor advertising

Kuube transforms urban furniture into measurable, eco-friendly media platforms. Unlike static billboards, each smart bench connects directly with the public — offering real-time engagement, visibility, and data insights. By combining physical presence (design object in public space) with digital reach (Wi-Fi connections, charging data, interaction counts), Kuube creates a new category of outdoor advertising: Smart Media Furniture.

feature	traditional billboard	Kuube smart bench
power source	grid-connected	100% solar-powered
audience tracking	estimated impressions	real-time user data (wi-fi & charging analytics)
interaction	none (static view only)	physical use + digital engagement
sustainability	high energy consumption	zero-emission, renewable operation
user value	visual exposure only	functional service (wi-fi, charging, comfort)
content	static print	dynamic digital or ambient content

Smart city
integration

SMART CITY INTEGRATION

Environmental impact

Beyond comfort and connectivity, Kuube benches actively contribute to cleaner environments. Each smart unit measures local air quality parameters (PM, CO_2, humidity, temperature, UV) and shares real-time environmental data through the Kuube Dashboard.

When integrated with city networks, this data supports urban planning, pollution monitoring, and sustainability reporting — helping municipalities and corporate partners measure and reduce their ecological footprint in line with ESG and CSR frameworks, including Scope 1—3 emission tracking, Net-Zero city commitments, and carbon credit accountability based on verified NOx and CO_2 reduction data.

The **Resysten® Clean Air** coating on Kuube smart furniture uses photocatalytic nanotechnology to actively reduce air pollution. Activated by sunlight or UV light, it breaks down harmful NOx and other pollutants, helping purify the surrounding air. One square meter of coating neutralizes up to 102 g of NOx, meaning a Kuube[ECO] bench offsets the daily emissions of about 90 cars. Through its partnership with Resysten, Kuube helps cities not only monitor but also actively clean the air they share.

## Smart furniture that truly makes cities cleaner.

SMART CITY INTEGRATION

Smart city integration & Micromobility

Kuube products are designed with a modular, API-ready architecture that integrates effortlessly into smart city ecosystems. Each unit can connect to micromobility hubs (e-bike and e-scooter charging), public lighting networks, and IoT or AI-based platforms for traffic, energy, or environmental management. Thanks to its off-grid operation, Kuube requires no permits, no wiring, and no protective grounding, making it exceptionally easy to install and connect. This flexibility allows cities and system integrators to expand existing infrastructure quickly, supporting other technologies that face energy storage or space-efficiency limitations.

This modular connectivity makes Kuube both a self-sustaining solar node and a scalable data and energy hub within urban grids. For system integrators, it offers measurable advantages — from low installation costs and fast deployment to active communication with digital twins, IoT data layers, and sensor networks — enabling smoother, on-schedule integration into large-scale smart city projects.

Modular and Off-Grid - Connecting Urban Systems

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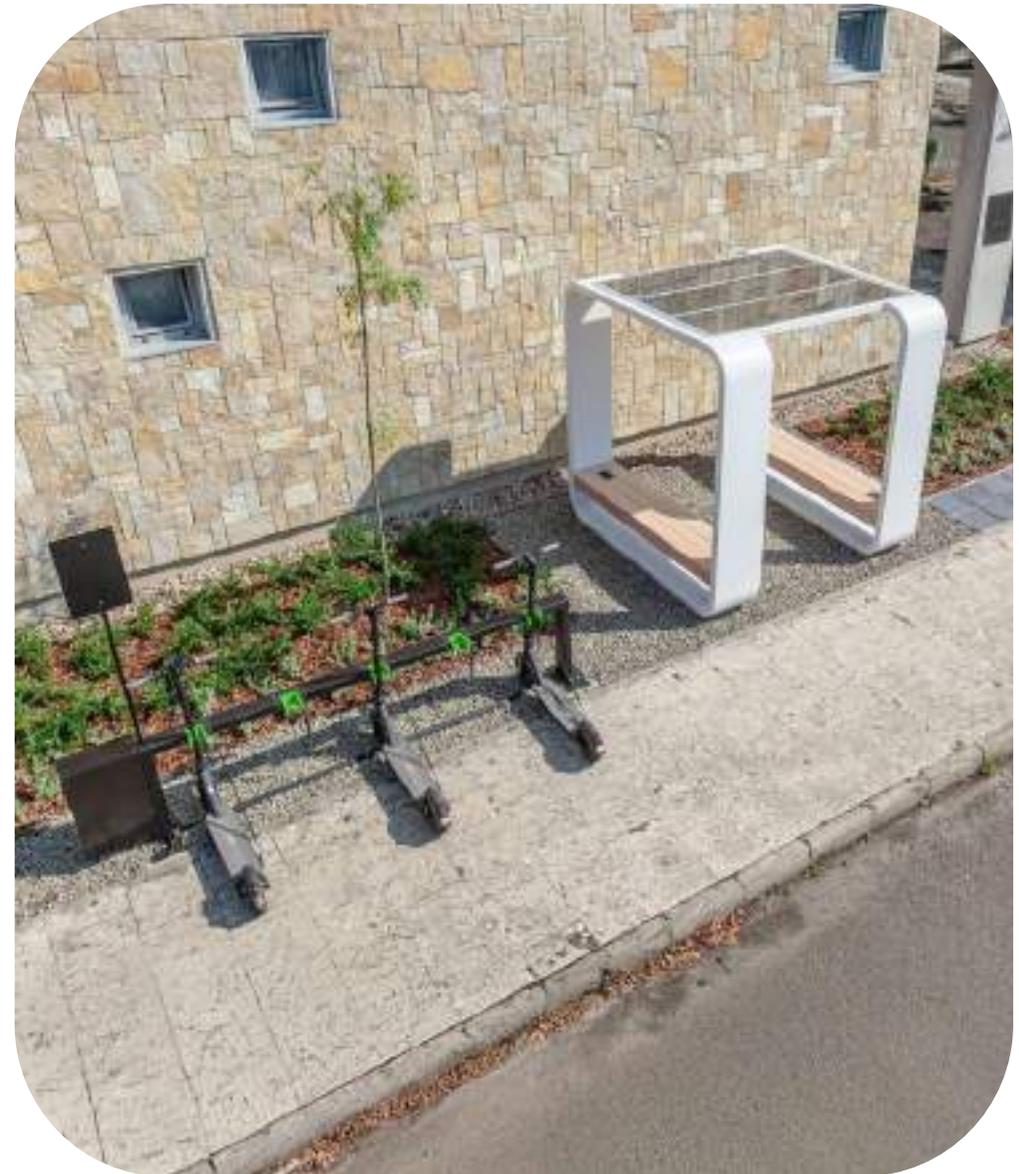
Dashboard

DASHBOARD & DATA PLATFORM

The Kuube Dashboard provides a central digital interface to monitor and manage all Kuube installations. It allows real-time tracking of energy generation, usage, and environmental data collected from each smart products.

Collected data includes:
- Energy production and battery charge levels
- Wi-Fi usage and connected device statistics
- Charging sessions and user interaction counts
- Environmental measurements: temperature, humidity, UV, air pressure, air quality, motion

Data management & access
All collected data is stored securely in the cloud and can be exported for reports or integrated into third-party smart city systems via API. The Dashboard also allows municipalities and operators to monitor multiple smart furniture from a single interface, with maintenance alerts and performance analytics.

FOXCONN

World-class quality
& scalable production

EUROPEAN MANUFACTURING EXCELLENCE AT SCALE

Foxconn partnership

FOXCONN

All Kuube products are proudly manufactured in partnership with **Foxconn**, one of the world's leading technology manufacturers. This collaboration ensures world-class quality, precision engineering, and scalable production within Europe, the region's largest smart furniture manufacturing capacity. Our European production base allows faster logistics, localized certification compliance, and the ability to meet growing market demand. Kuube products are manufactured under all required EU standards, with ongoing efforts to expand certification coverage for future markets and innovations.

Production capacity currently stands at approximately 1,500 units per year, with planned expansion to 5,000 units annually as global demand increases.

Beyond standard production, Kuube and Foxconn maintain full flexibility for custom integrations, such as new hardware modules, branding elements, or product-to-product connectivity. This makes each Kuube installation not just a product, but a tailor made smart infrastructure solution ready for the city of tomorrow.
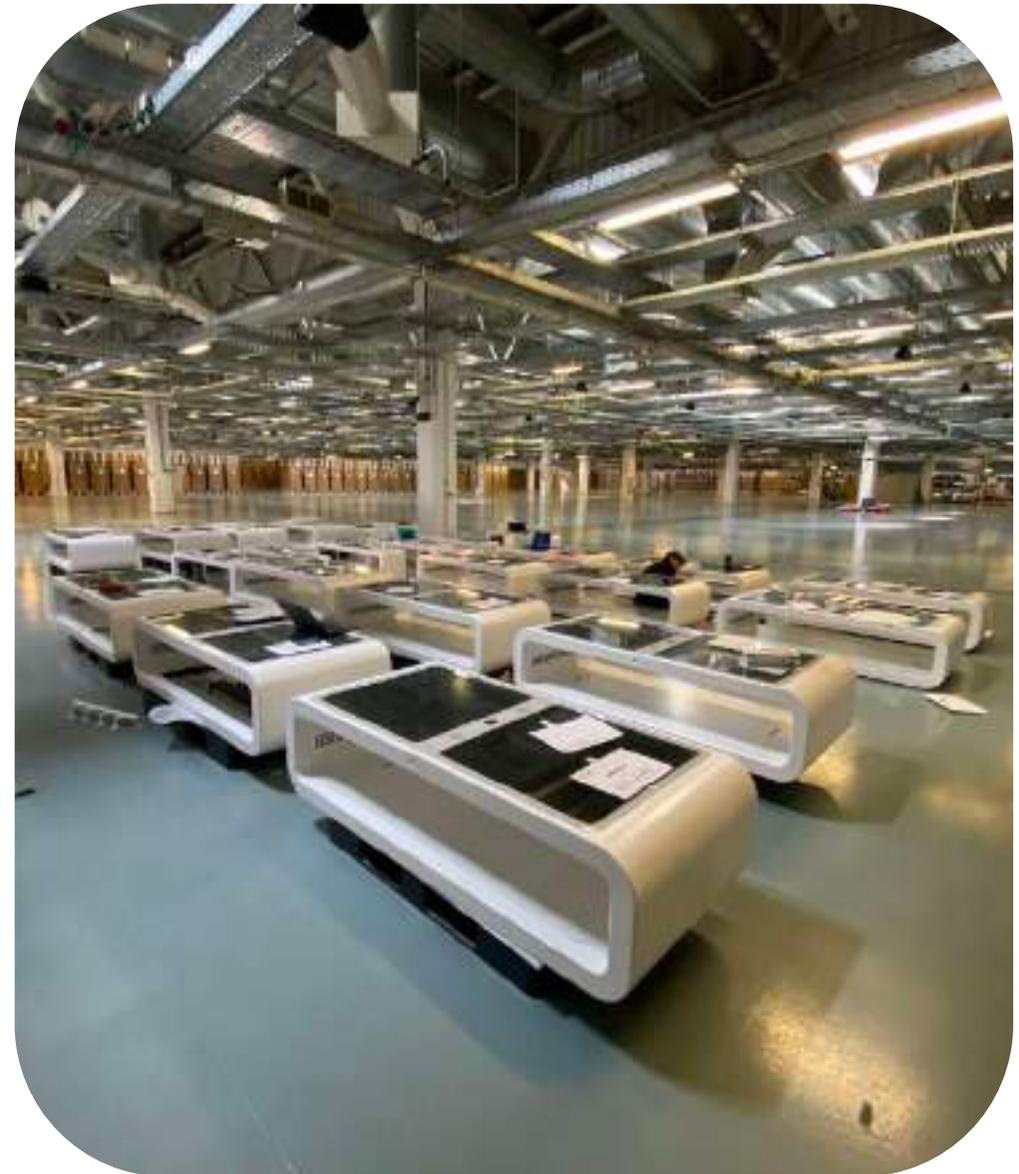
About us

OUR
VISION

As Europe's largest-capacity manufacturer, we are proud to represent world-class quality in the realm of smart community spaces. Our innovative solutions redefine the role of public spaces: they function simultaneously as digital service providers, tools for sustainability, and community meeting points.

We embody the vision of future cities. Our smart hubs were born at the intersection of technology, sustainability, and community experiences. Our solutions go beyond practical functions: our goal is to bring people closer together while fostering the development of green, digital, and intelligent cities,

KUUBE

2025