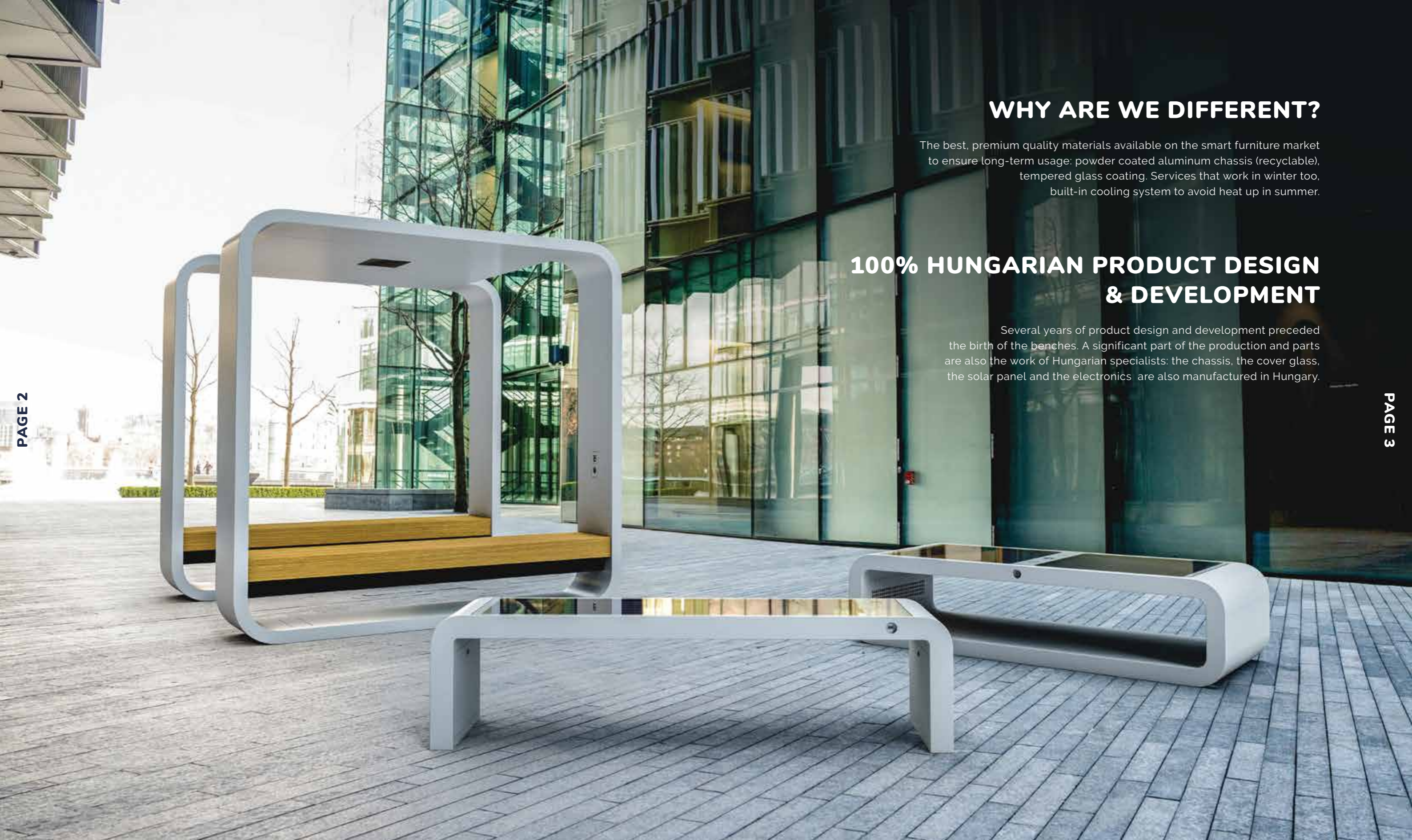




**SMART**  
*STREET FURNITURE*



## WHY ARE WE DIFFERENT?

The best, premium quality materials available on the smart furniture market to ensure long-term usage: powder coated aluminum chassis (recyclable), tempered glass coating. Services that work in winter too, built-in cooling system to avoid heat up in summer.

## 100% HUNGARIAN PRODUCT DESIGN & DEVELOPMENT

Several years of product design and development preceded the birth of the benches. A significant part of the production and parts are also the work of Hungarian specialists: the chassis, the cover glass, the solar panel and the electronics are also manufactured in Hungary.



# KUUBE<sup>PLUS</sup>

NOT JUST A BENCH,  
BUT A MEETING POINT



# KUUBEPLUS

## THE WORLD'S FIRST COVERED SOLAR POWERED PUBLIC BENCH

The batteries use renewable energy only. You can charge your devices via USB ports or wirelessly. This smart bench also functions as WiFi hotspot and has environmental sensors. The completely unique shape and cover give you the opportunity to spend time and charge your smart device in a sheltered place in the summer, even during the strong sunny hours.



## BRING ONE, TAKE ONE!

The outdoor, completely unguarded book exchange system has been operating successfully for eight years at Óbuda. The solar powered LED lit KUUBE<sup>BOOK</sup> can be the focal point of the urban community.

In addition to the built-in phone charging functions, it has a real community organizing power and it can become the focal point of smart cities due to its large size and the free WiFi service – innovative investment for public spaces, great investment for communities.



# KUUBE PLUS NOTE

## UNIQUE FEATURE ON THE MARKET: TOUCH DISPLAYS AND SOUND SYSTEM

As a unique feature on the market, our Kuube PLUS NOTE product is equipped with two 7-inch high-resolution touch displays and a studio-quality, two-way sound system, which further expands the possibilities of the Kuube meeting point. The touch display enables two-way communication between the owner of the bench and the users, thus they can be involved in the communication in an interactive way.

With the help of the displays and speakers, we can show any type of media content on our Kuube PLUS NOTE smartbench requested by the owner of the bench: it can be advertising, information of general interest or unique content requested by our customers.



# KUUBE PLUS NOTE

## HIGH QUALITY MUSIC CONTENT

The volume of the built-in speakers can be changed locally with the volume control located on the display. There is no need to worry about noise pollution, because the music content played in high quality can only be heard near the bench, so it doesn't burden the environment. You can further control the volume by setting previously a maximum volume.

Of course, the Kuube PLUS NOTE also includes all of the improvements we built into our Kuube PLUS benches: charging options for smart devices, free Wi-Fi service and environmental sensors.



<p><b>8</b> seats</p>	<p><b>1</b> 4G hotspot</p>	<p><b>2</b> USB chargers</p>
<p><b>2</b> wireless Qi chargers</p>	<p><b>2</b> 2.4" displays</p>	<p><b>3m</b> RGB LED ambient light</p>
<p><b>1</b> temperature, humidity, UV and air pressure sensor</p>	<p><b>1</b> air quality, motion sensor</p>	<p><b>24/7</b> data collection</p>
<p><b>224</b> Ah capacity</p>	<p><b>480</b> watts solar panel</p>	<p><b>450</b> kgs</p>



# KUUBENANO

SMALL SIZE, MODERN  
OUTLOOK, PERFECT DESIGN



# KUUBE<sup>NANO</sup>

## COMPACT URBAN BENCH WITH RENEWABLE ENERGY

KUUBE<sup>NANO</sup> is a smartbench with USB ports, wireless chargers, and WiFi hotspot function. Charged exclusively by solar energy, the place of installation is flexible. The bench constantly monitors its environment: changes in temperature, UV level, air quality, humidity, air pressure – and forwards the data to the server, or notifies the owner if necessary. Small size, modern outlook, and perfect design - KUUBE<sup>NANO</sup>.

Although the solar panels are located under the seat, the batteries are charged even with partial coverage, thus ensuring the operation of the services. And in the summer heat - as with our ECO smart bench - the built-in cooling system guarantees that the sitting on the bench will be pleasant.



<p><b>4</b> seats</p>	<p><b>1</b> 4G hotspot</p>	<p><b>2</b> USB chargers</p>
<p><b>2</b> wireless Qi chargers</p>	<p><b>1</b> 2.4" display</p>	<p><b>1m</b> RGB LED ambient light</p>
<p><b>1</b> temperature, humidity, UV and air pressure sensor</p>	<p><b>1</b> air quality, motion sensor</p>	<p><b>24/7</b> data collection</p>
<p><b>72</b> Ah capacity</p>	<p><b>112</b> watts solar panel</p>	<p><b>180</b> kgs</p>



# KUUBE<sup>ECO</sup>

CLEAN DESIGN, SMALL SIZE,  
COUNTLESS FEATURES



# KUUBE<sup>ECO</sup>

## ITS GREATNESS LIES IN ITS SIMPLICITY

Clean design, small size, countless features. The three seater KUUBE<sup>ECO</sup> is our smallest smartbench. It is equipped with two USB and one wireless chargers. It also has unlimited internet access via WiFi and environmental sensors. If you want a small, eco-friendly, smart street furniture which is accessible to everyone, choose KUUBE<sup>ECO</sup>.

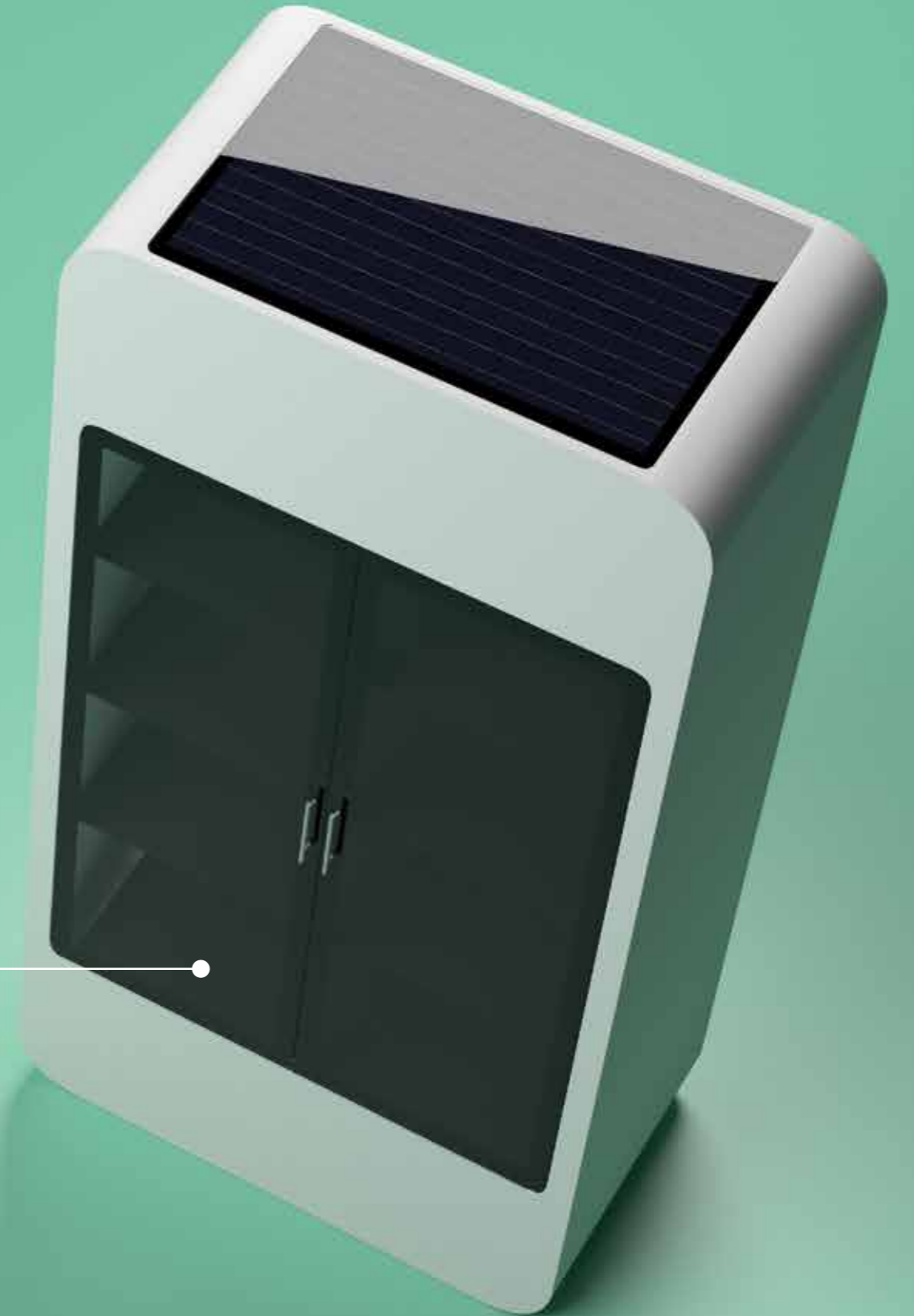


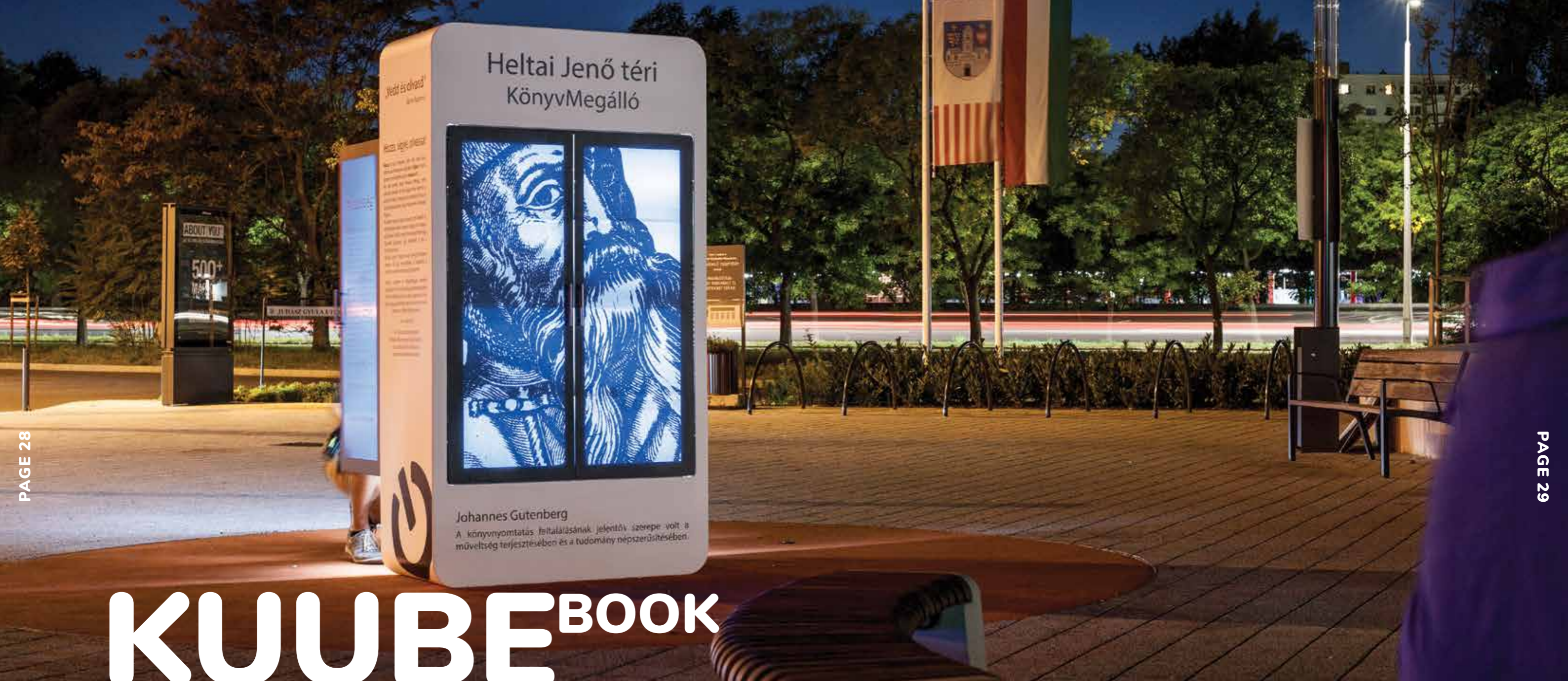
<p><b>3</b> seats</p>	<p><b>1</b> 4G hotspot</p>	<p><b>2</b> USB chargers</p>
<p><b>1</b> wireless Qi charger</p>	<p><b>1</b> 2.4" display</p>	<p><b>1m</b> RGB LED ambient light</p>
<p><b>1</b> temperature, humidity, UV and air pressure sensor</p>	<p><b>1</b> air quality, motion sensor</p>	<p><b>24/7</b> data collection</p>
<p><b>36</b> Ah capacity</p>	<p><b>67</b> watts solar panel</p>	<p><b>90</b> kgs</p>

# KUUBEBOOK

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BRING A BOOK,  
TAKE A BOOK!





# KUUBE BOOK

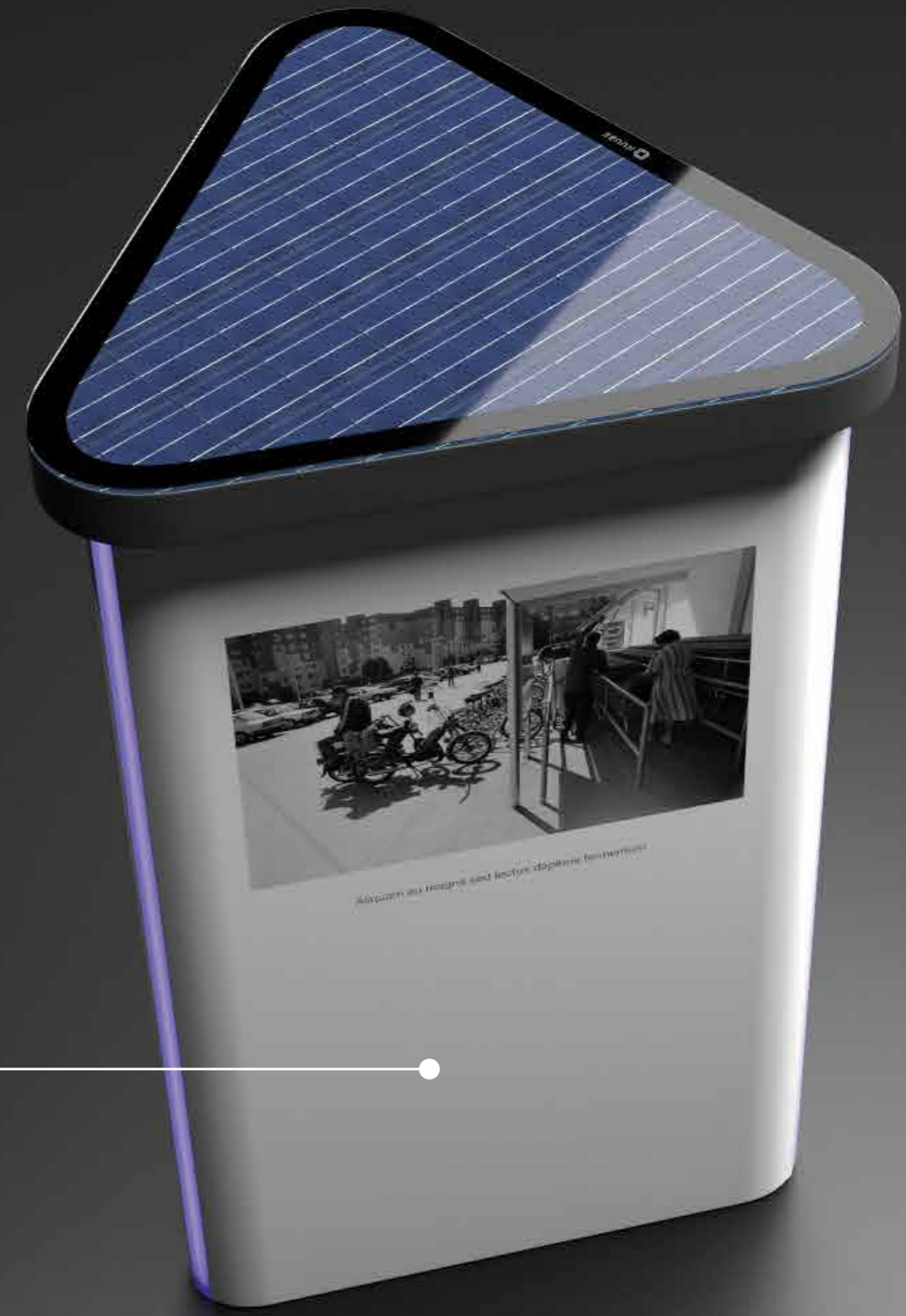
## PUBLIC BOOK EXCHANGE FOR LOCAL READERS, WITH RENEWABLE ENERGY

The public book exchange program initiative was launched in Western Europe. Kuube has already played a major role in spreading this cultural mission in Hungary. Anyone can bring or take out a book from the solar-powered book stops, equipped with LEDs. The cabinet's tempered glass doors and gas springs protect the books in all seasons.

The structure of the cabinet is powder-coated aluminum, the doors and the solar panel are covered with safety glass. The doors are closed by gas springs. The lighting of the larger cabinet is provided by solar panels and LED light, and its operation is ensured by twilight and time switches. Installation of a wifi hotspot for the adult version is optional.

# KUUBE EXPO

ART FOR EVERYONE!





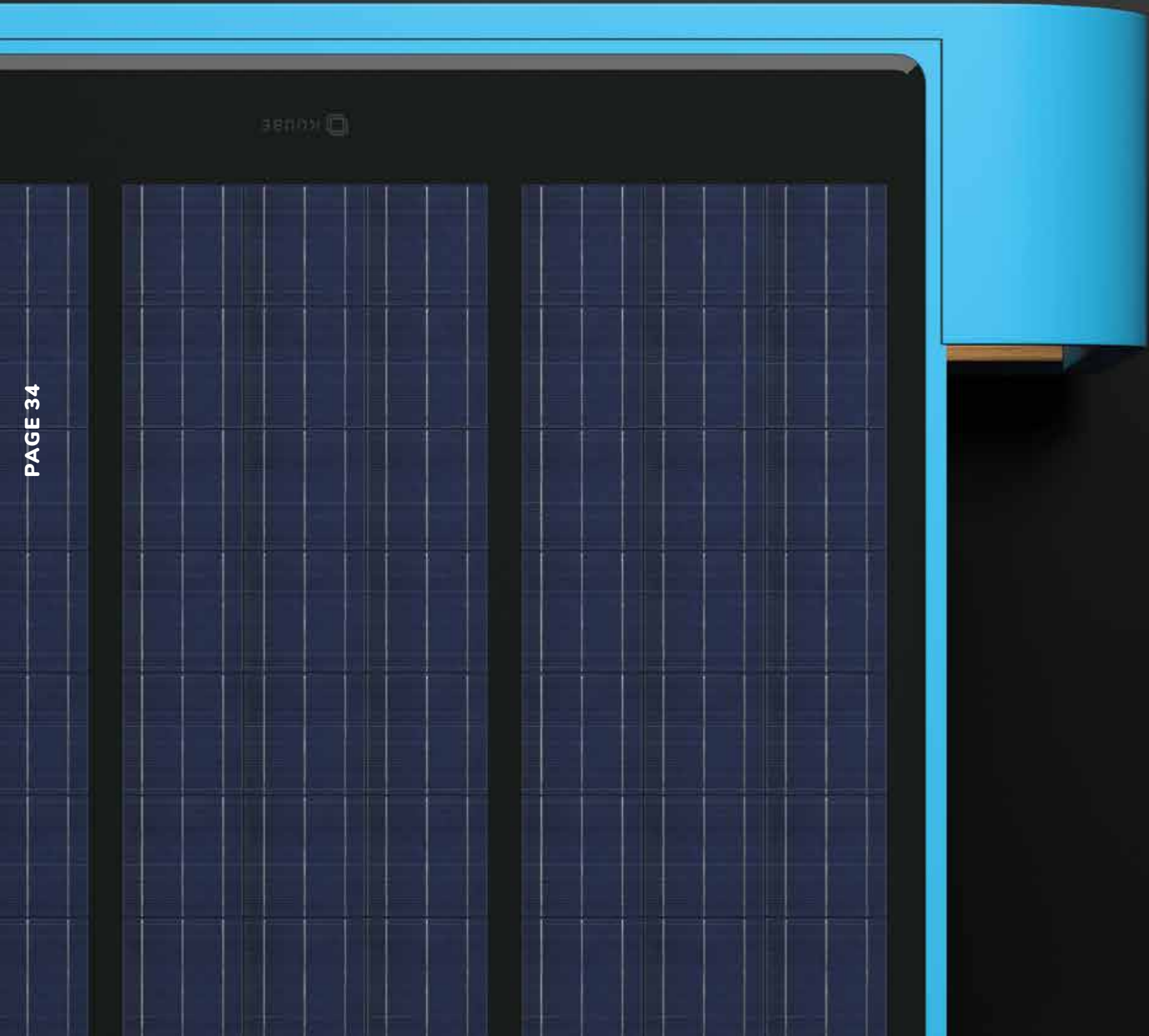
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# KUUBE EXPO

## ART FOR EVERYONE ON THE URBAN STREETS

On behalf of the National Cultural Fund, we are developing a public space installation that will allow exhibitions to be viewed in public spaces. In the evening, the solar-powered LED lighting makes the exhibited works enjoyable. The installation is created without breaking of the public space's surface or to attaching it to anything.



## CUSTOMIZED LOOK

Our benches are available in white basically, but you can customize them to match your brand identity. There are many creative solutions accesible, such as proper foil wrapping.

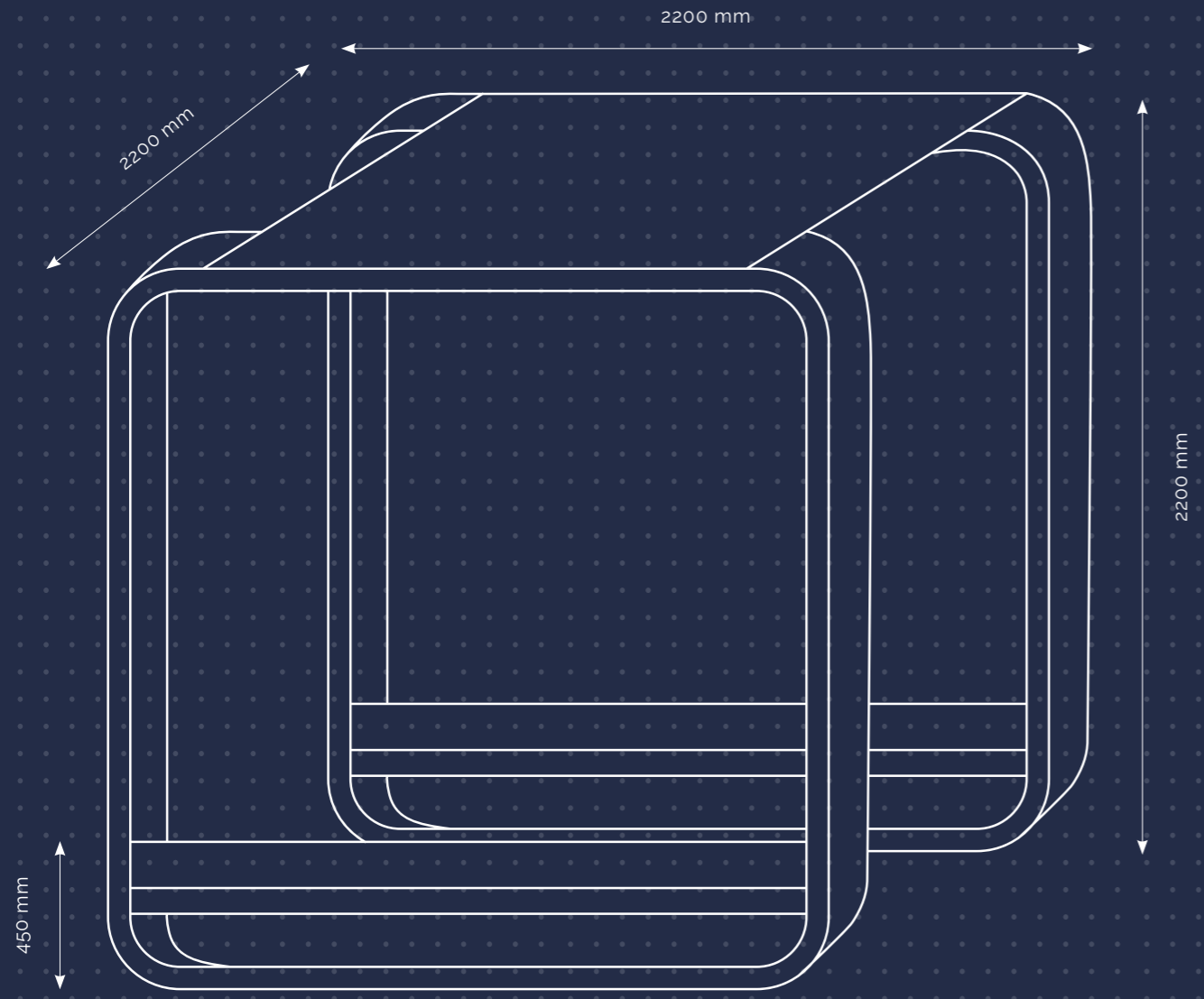
All of our benches are equipped with RGB LED ambient lighting so there is more than 16 million colours to choose from for the night lighting.





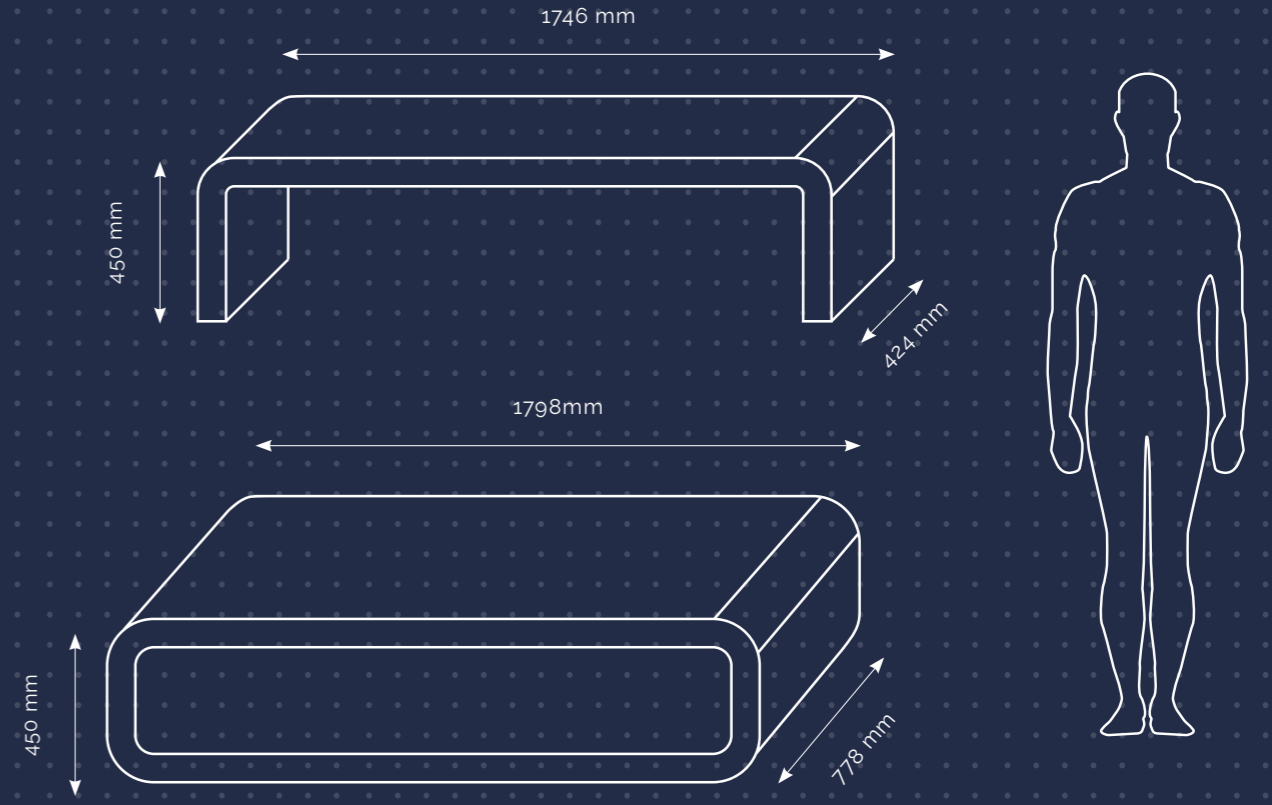
## **NOT JUST SELLING SMART FURNITURE, BUT TRACKING THE ENTIRE PRODUCT TIMELINE**

In addition to the three-year full warranty, we provide a high-level of service to our customers. Our goal is to maintain the good condition of our street furniture for the passers in the long term. If required, beyond the internet access what we provide, we also undertake the cleaning and maintenance of smart furniture, in which case the warranty period is automatically extended.



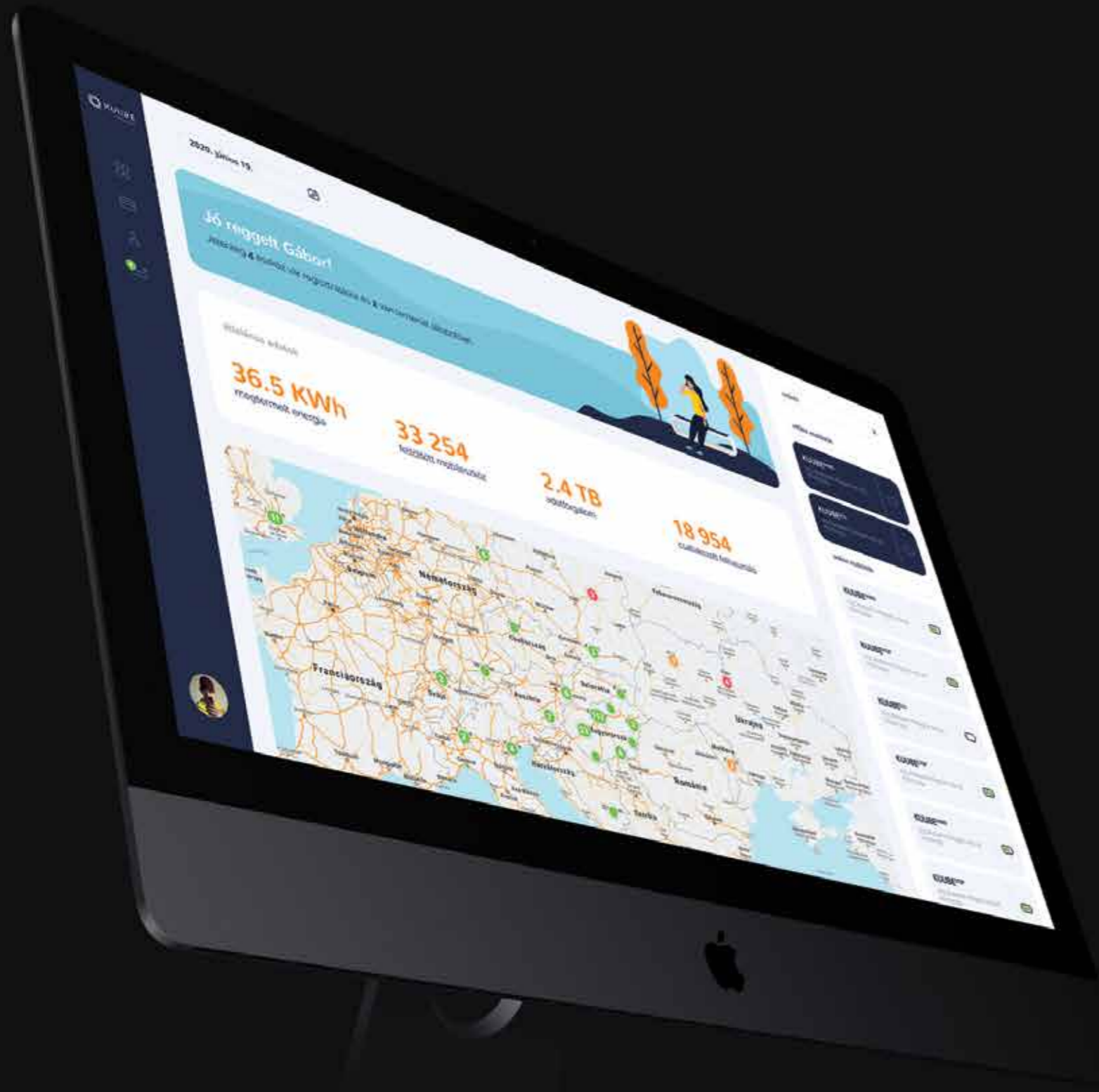
# TECHNICAL DETAILS

- aluminium chassis
- tempered, security glass
- ash wood seating area (KUUBEPLUS)
- polycrystalline solar cells
- AGM batteries
- 7" or 2,4" RGB display
- studio-quality, two-way sound system (KUUBEPLUS NOTE)
- RGB LED ambient light



# SMARTBENCH SIZES

Comfort and practicality were the primary goals during the design process. The three different sizes allow you to choose the best for your location and your target group.



## KUUBE DASHBOARD

Keep track of all your Kuube smart street furnitures in one place. You can check here:

- your devices' state of charge on the map or in the side list
- how much energy your devices have produced in total or separately
- how many charged devices have been since the launch
- how many users connected to the free wifi
- how much data was handled in total.

You can also find here the data collected during the monitoring of the street furniture's environment (temperature, humidity, air pressure, air pollution, UV index).



# KUUBE<sup>STOP</sup>

## INDEPENDENT, SOLAR-POWERED SMART STOP WITH A GREEN WALL

The micromobility point can also be used as a tram, trolley or bus stop depending on local conditions (e.g. sunshine, location, user needs, etc.). The prototype has sidewalls, but also available without them if it needed due to lack of space. In the case of the standard version, in the spring-summer period, the 12m<sup>2</sup> solar panel allows the station to operate completely independently from utility services. The extra energy produced in the summer makes the stop suitable for charging an electric scooter from only renewable energy source.

The large green area planted with urban tolerated plants functions as a fully autonomous system. The plants are watered thanks to the sensors and the rainwater collected on the top of the stop. The 2m<sup>2</sup> ivy green wall functions in winter too, it is not deciduous. The steel grille, which is densely coated with plants, provides excellent protection against both dust and wind.



# KUUBE<sup>STOP</sup>

## SMART STREET FURNITURE

Like our products already on the market, the bus stop also acts as a wifi hotspot, suitable for charging smart devices via USB ports and Qi chargers. Thanks to the built-in sensors, we can measure the air pollution, UV-index, humidity, air pressure and temperature around the stop. These values are displayed on the 7" touch screens.

At the same time, the screen will be suitable for displaying advertisements or providing high-level passenger information according to the GPS coordinates of the vehicles. With a Wi-Fi connection, the landing page also provides unlimited possibilities for information transfer.



# KUUBE<sup>BASIC</sup>

## WE ARE THINKING OUTSIDE OF THE SMART FURNITURE MARKET

During the placement of our smart benches, we faced the need countless times to equip the public space or park with traditional benches too, that fit with their uniform design to our smart furniture. In response to this consumer demand, we have decided to develop traditional street furniture too and designed a classic bench without a phone charger and wifi service that is a perfect complement to our smart furniture. Kuube<sup>BASIC</sup> is available in two versions: plain and with a backrest.



## KUUBE PARTNERSHIP

For us, it is essential to produce smart furniture that combines innovative technology and sustainability and we are always looking for partners, who think the same.

If you are interested in becoming our distribution partner or start a franchise line in your country, don't hesitate and get in touch with us! We are looking forward to work together for sustainable smart cities!



## MICROMOBILITY POINT

Three innovative Hungarian companies (Kuube, PLATIO Solar, Rollin) have invented a new, unique micromobility solution: a micromobility station equipped with green energy and smart services, which can transform green transportation and help cities and even companies achieve their climate neutrality goals.



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