

A man in a dark suit, white shirt, and patterned tie is shown from the chest up, holding a smartphone. The image is a double exposure, with a city skyline (resembling Hong Kong) overlaid on his torso. The background is a bright, hazy cityscape with a body of water. The overall color palette is dominated by blues, greys, and warm orange/yellow highlights from the sun or city lights.

Bin-e

**SMART WASTE
BIN**

SMART WASTE BIN



EFFICIENT WASTE MANAGEMENT IN YOUR BUILDING

Bin-e is an AI-based system that provides precise automatic sorting of garbage and data-processing on an IoT-Platform to make waste management more efficient.



HOW DOES IT WORK?

BIN-E OPTIMIZES WASTE MANAGEMENT IN YOUR AREA: IT ENSURES PRECISELY SORTED RAW MATERIAL THROUGH AUTOMATIC RECOGNITION AND SEGREGATION, AND REDUCES THE FREQUENCY OF EMPTYING THE BINS BY COMPRESSING PAPER AND PLASTIC.

Automatic notifications when one of the containers is full allow for more effective time management of employees.

TECHNICAL SPECIFICATIONS

Dimensions: 120 cm x 120 cm x 60 cm

Capacity: 4 x 60 L

Connection: Wi-Fi and modem GSM

Electric power supply: (AC) 230 V

Touchscreen: 10 inches

Standard fractions: glass, plastic, paper and metal. Fractions can be customized with numerous fractions to choose from, e.g. rest waste, plastic bottles or organic waste.



THROWING



AI-BASED WASTE
RECOGNITION



AUTOMATIC
SORTING



PLASTIC AND PAPER
COMPRESSION



FILL LEVEL
CONTROL



DATA PROCESSING
IN THE CLOUD



EASY MANAGEMENT WITH THE APP

THE WEB APPLICATION INFORMS THE USER ABOUT THE FILL LEVEL OF EACH FRACTION AND THE DEVICE STATUS IN REAL-TIME.

FOR WHOM BIN-E?

**BIN-E IS THE PERFECT TOOL FOR
OPTIMIZING WASTE MANAGEMENT
IN ALL KINDS OF PUBLIC PLACES:
OFFICES, AIRPORTS, PETROL
STATIONS, SHOPPING MALLS,
RAILWAY STATIONS AND MANY
MORE!**



THINK ECOLOGICAL!

FACILITY MANAGERS WHO HAVE IMPLEMENTED BIN-E ENJOY THE FOLLOWING BENEFITS:

- frequency of bin emptying reduced by half;
- 80% lower waste collection costs;
- better time management and increased employee productivity;
- waste management costs reduced by 70%;
- an innovative solution improving the quality of the building;
- compliance with recycling regulations;
- safety related to the lack of access of unauthorized people to the waste bins.



THINK ECOLOGICAL!

**BIN-E HELPS COMPANIES AND
COMMERCIAL SPACE TENANTS BY
PROVIDING:**

- easy and quick sorting of waste;
- an important part of the company's CSR strategy;
- an element of an environmentally friendly space;
- building the image of a precursor in the field of green technologies.



THINK ECOLOGICAL!

**BIN-E SIMPLIFIES THE
RECYCLING PROCESS
AND BRINGS VALUABLE
BENEFITS FOR THE
ENVIRONMENT:**

- waste sorted with a precision of 90% - high-quality raw material that can be immediately recycled;
- lower CO2 emissions for waste transport thanks to the reduced volume of garbage and optimized collection routes;
- less waste going to landfills.



TURN YOUR WASTE INTO PROFITS

DID YOU KNOW THAT PRECISELY
SORTED WASTE IS A HIGH-QUALITY
RAW MATERIAL THAT IS PERFECTLY
RECYCLABLE AND CAN BE SOLD?
THIS COULD BE A NEW SOURCE
OF ADDITIONAL INCOME!

BIN-E IN THE OFFICE

120 000 M² OF SPACE
15 000 TONS OF WASTE PER YEAR



975
TONS OF PLASTIC



3400
TONS OF PAPER



2400
TONS OF GLASS



450
TONS OF METAL

€ 2 000 000



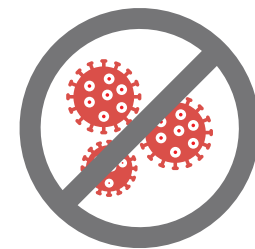
SUSTAINABLE BUSINESS

SUSTAINABILITY IS MEASURED BY YOUR IMPACT ON THE ENVIRONMENT AND ON SOCIETY. BIN-E COMBINES BOTH ASPECTS BY SIMPLIFYING THE RECYCLING PROCESS BUT ALSO BY INSPIRING PEOPLE TO RE-THINK WHAT HAPPENS WITH THEIR WASTE AND MOTIVATING THEM TO MAKE A POSITIVE CHANGE.





SAFETY FIRST



THE NEW NORMAL. THE BETTER BIN-E.

You can adjust your smart waste bin to new safety and hygiene requirements. We offer various features that ensure 100% COVID-19 safety for the users but also for your cleaning service.



**AUTOMATIC, HANDS
FREE OPENING**



**ANTIBACTERIAL SURFACE
WITH SILVER IONS**



**SEPARATE FRACTION FOR
PARAMEDICAL WASTE**



**UV INTERIOR (WASTE)
DISINFECTION**



YOUR BIN-E, YOUR CONTENT

DISPLAY YOUR OWN OR YOUR PARTNER'S CONTENT ON THE EXTERNAL 50" SCREEN. IT IS THE PERFECT SPACE TO PROMOTE PRODUCTS, SERVICES, INITIATIVES AND MANY MORE! USE IT FOR YOUR OWN COMMUNICATION OR GENERATE ADDITIONAL INCOME FROM EXTERNAL ADVERTISERS AND CLIENTS.

YOUR PERSONALIZED BIN-E

WE OFFER MANY BIN-E PERSONALIZATION OPTIONS, THANKS TO WHICH YOU CAN ADJUST THE DEVICE TO PERFECTLY FIT YOUR NEEDS AND INTEGRATE IT WITH THE INTERIOR DESIGN.

**YOUR FAVOURITE
COLOR**



**INDIVIDUAL
DESIGN**



**VERSION FOR
ORGANIC WASTE**



**HANDS FREE
VERSION**



**INNER BINS
COLOR**



YOUR PERSONALIZED BIN-E

WE OFFER MANY BIN-E PERSONALIZATION OPTIONS, THANKS TO WHICH YOU CAN ADJUST THE DEVICE TO PERFECTLY FIT YOUR NEEDS AND INTEGRATE IT WITH THE INTERIOR DESIGN.

**21" IN-BUILT SCREEN
WITH CONTENT
PERSONALIZATION**



**50" EXTERNAL SCREEN
WITH CONTENT
PERSONALIZATION**



**FRACTION FOR
PARAMEDICAL
WASTE**



**ANTIBACTERIAL
SURFACE WITH
SILVER IONS**



**UV INTERIOR
DISINFECTION**





Join our World of Bin-e!

Bin-e Office: Dąbrowa Office Park
Innowatorów 8 | 62-070 Dąbrowa | Poland

www.bine.world

contact@bine.world

+ 48 661 111 217

