



**MPU**<sup>™</sup>  
MODULAR  
PERSONNEL  
UNIT

# MPU™

// MODULAR HOUSING CAN  
PROVIDE TEMPORARY SHELTER  
FOR INTERNALLY DISPLACED PEOPLE

Designed and built for warmth and comfort, the MPU from **BANAIR®** offers a clean, functional living space in a temporary accommodation unit.

**SIMPLE FAST USER FRIENDLY ASSEMBLY**

**HIGH DENSITY SHIPPING, 8 UNITS PER TRUCK**

**MAXIMUM THERMAL COMFORT, ZERO THERMAL BRIDGING**

MPU // BAN-AIR.COM





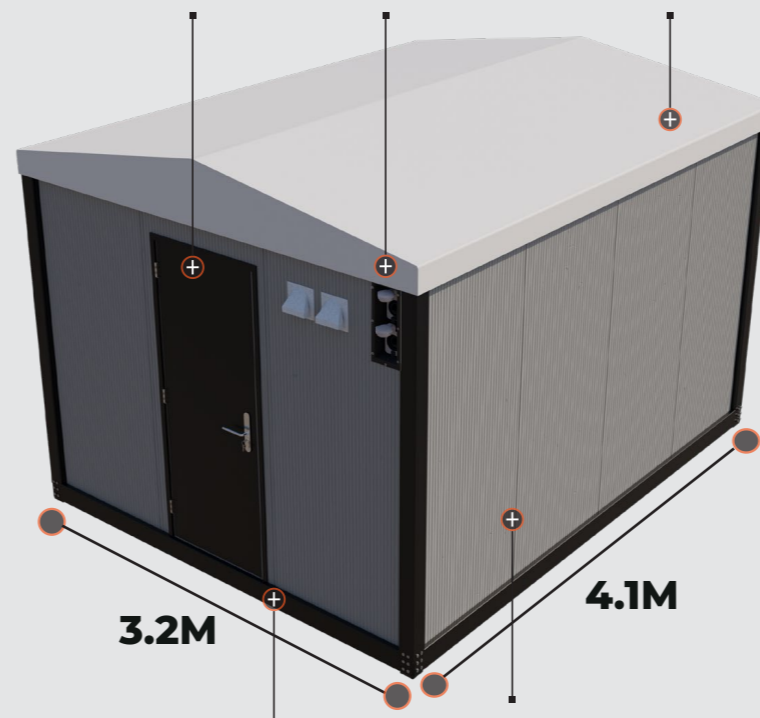
**OVERVIEW**  
MPU4.3.2.5

**HIGH SECURITY DOOR**  
980mm x140mm

**ELECTRICAL HOOKUP:**  
Entry Point

**ROOF:**  
Insulated sandwich board (100mm) combined with PVC fabric membrane for rain and snow clearance and ultimate weather protection

**PLUG & PLUG:**  
Pre-wired electrical system consisting of:  
- 230V power, 1 x double socket, LED strip light & switch,  
- Mini Mechanical Ventilation & Heat Recovery system,  
- CO2 & smoke sensor.  
All pre-fitted into a single panel, meaning on site work is minimised.



**BOLTED STEEL FRAMEWORK**  
Galvanised & powder coated finish for ultimate durability

**OUTER SKIN:**  
Entire walls, roof and floor form a complete insulated box for efficient, low-energy thermal comfort in all weathers.



**HVAC:**  
Gravi-vent + electric fan, 2x recuperator Electric heater

**FLOOR:**  
100mm thick structural insulation board, OSB and PVC finish.

**REAR WINDOW:**  
980mm x140mm Opening Out

**MODULAR PERSONNEL UNIT**

MPU (Modular Personnel Units) are prefabricated Multi-Purpose self contained units, designed to create long term and short term solutions for various applications, such as but not limited to:



PLUG & PLAY



FLAT PACK SHIPPING



EFFICIENT



RELOCATABLE



STACKABLE



EASY & FAST USER-ASSEMBLY

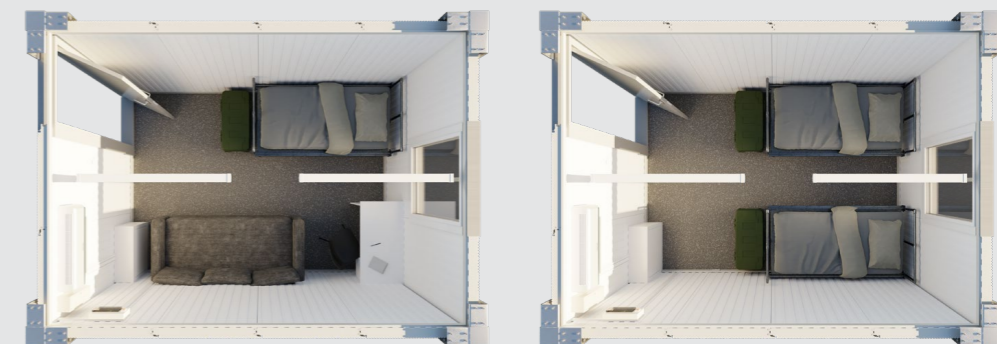


**SIZE**

Exterior: 4090(L)×3200(W)×2780mm(H)  
Inner length: 3850mm  
Inner width: 2970mm  
Inner height: 2260 mm

**IN USE**

Stackable 2 Units High  
(8 units Per Truck)



**BUILT TO LAST**

**MULTIFUNCTIONAL USE**



# MPU<sup>TM</sup> // ADVANTAGES

## LOGISTICAL ADVANTAGES

High density shipping, x8 MPU4.3.2.5 units per truck

Simple user assembly with 4 person team - even possible without use of crates or lifting equipment by building in place.

Fully pre-wired electrical solution that allows multiple units to daisy chain together for fast set up and operation from existing power or generators.

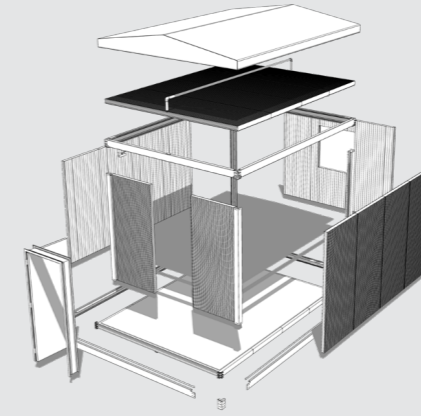
Multifunctional use - accommodation, medical, working space.

Designed for maximum thermal comfort, zero thermal bridging, and minimal energy consumption.

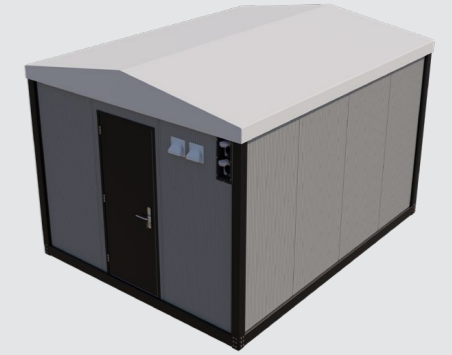
Energy efficient heat recuperators ensure comfortable ventilation whilst preserving heat.



**SHIPMENT**  
REGULAR EURO TRAILER



**USER-ASSEMBLY**  
SIMPLE 4 PERSON ASSEMBLY



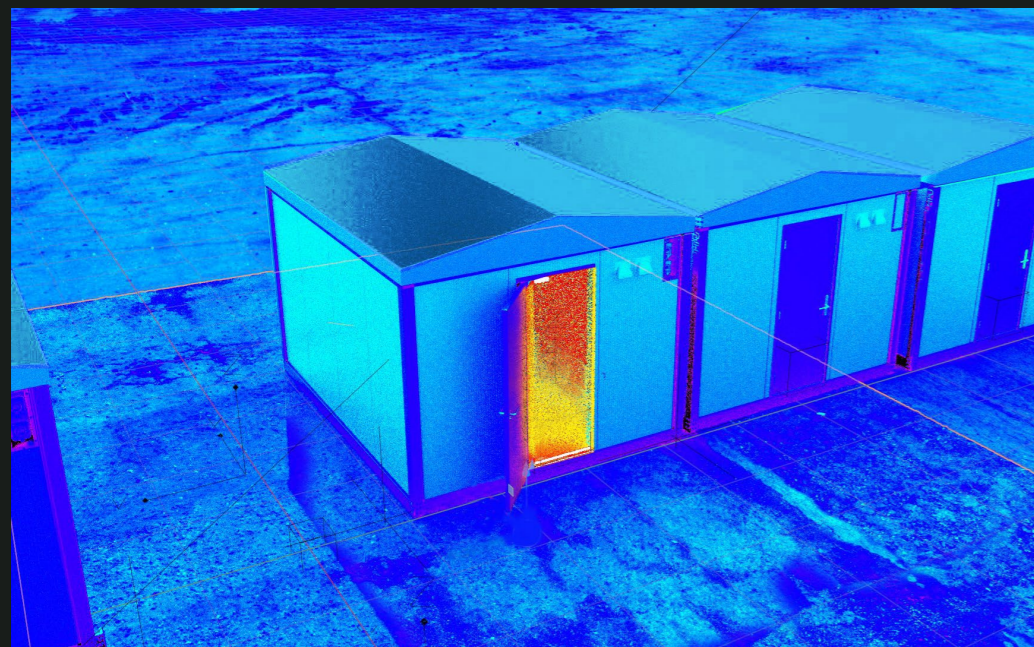
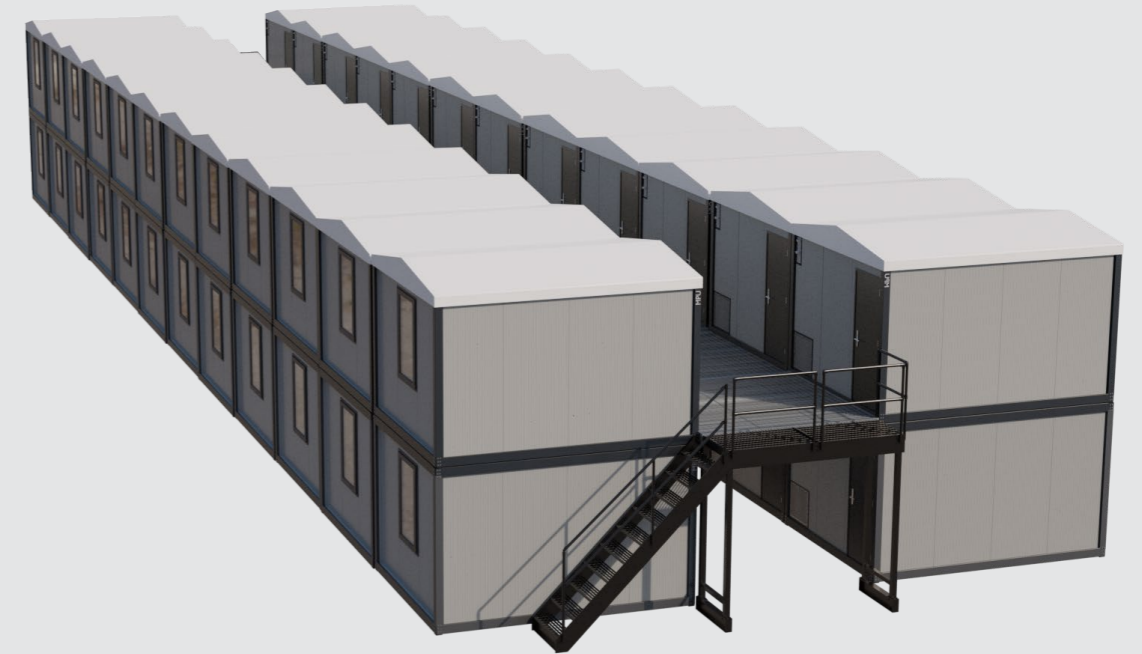
**READY FOR USE**  
SINGLE MPU4.3.2.5



**MPU.48.2.2.R**  
MULTI UNIT ASSEMBLY

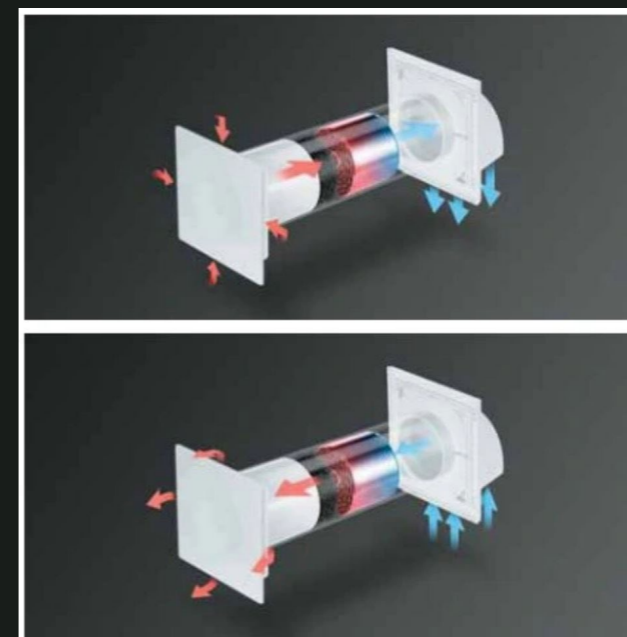
(48 INDIVIDUAL MPU STRUCTURES, 2 STORIES HIGH, COMPLETE WITH WALKWAYS & STAIR KITS SUITABLE FOR UNPREPARED/AUSTERE SITES)

CONSISTING OF:  
MPU4.3.2.5 - QTY 48  
WALKWAY GRATING SECTIONS - QTY 12  
STAIR KIT - QTY 2MPU



## USABILITY ADVANTAGES

Designed for maximum thermal comfort, zero thermal bridging, and minimal energy consumption.



# ABOUT US //

## LOGISTICAL ADVANTAGES

Manufactured and Shipped from BANAIR Poland Manufacturing Facilities.

Meaning the shipping cost would be 50% lower as we can use a regular eurotrailer.

Decreases the logistical as well as administration costs



BAN-AIR.COM  
SALES@BAN-AIR.COM