



Ballistic & Blast Resistant Buildings

Guard houses / Sentry boxes / Partitions / Doors / Secure transaction drawers

Sentry Boxes

The modern, practical solution for bullet- proof guarding facilities that is both portable and permanent, and practicable and user - friendly.

Ballistic and Blast Resistant Buildings Sentry Boxes can be used anywhere. They do not require local infrastructure and have been in use with police and private security organisations since 2004.

They are also ideal for permanent installation outside key public buildings, embassies, official residences, ports/ airports and military installations.

Kibo Focus kf1



Kibo Focus kf2



Larger Standard Units

The larger units are designed to be much more purposeful in that they can accommodate 4 to 6 men and lots of equipment, but are also big enough to be fitted with bunk beds, a WC and a small kitchen if required especially if they are located in remote places where there is little or no external support. I.e., no shops, toilets or sleeping facilities nearby.

Also, because they can be made self-sufficient, they can also be used in 'lock-down' situations when a total emergency security situation exists.

Kibo Focus kf3



Multi Occupancy Units

These are our largest buildings which can be provided as either individual units or part of a modular building which can be constructed up to any size and configuration desired.

Typical uses are border posts, customs posts, clinics, banks, military field hospitals, command centres etc that can either be installed permanently or relocated at a later date if their function is short term.

In fact, any purpose that requires a larger ballistic resistant building, and quickly.

Kibo Focus kf4



Kibo Focus kf6



Box in Box (2) shelters' technology | Kibo safe havens

Box in Box (B in B) technique

The portable shelters offer a safe and practical solution in the event of a home invasion, extreme weather event, terror attack or other threat by enabling people to access a secure and armored shelter (Citadel).

The Kibo B in B shelter (Citadel) features an ISO 20' or ISO 40' container providing camouflage for a Kibo shelter fitted inside - the 'Box in Box' or 'B in B' technique.

Using this technique, the portable shelter is easily deployed on land or at sea. It is fully self-contained and equipped with its own power unit, water, sanitary facilities and is ready to be used for extended periods.

Also, by using this technique, the blast resistance of the Box in Box shelter is much higher than a simple reinforced container.

The Kibo unit is shorter than the container which means that the fuel, water, batteries and external AC components are outside of the Kibo unit but still within the container. This should eliminate fire risk and odours. The generator room is sealed against noise and odour. All apertures in the container walls are disguised so the container should not be easy to identify

The two elements (ISO container and Shelter), may also be used separately if required.



Mobile sentry boxes



Partitions | Shields

Kibo shields

The kibo shields are portable ballistic & blast resistant partitions used to create safe areas in enclosed or open spaces. They are made of bulletproof steel and feature a bulletproof window to ensure that the guard has a good view of the surrounding area.

Connecting a number of shields together quickly provides a secure barrier separating and dividing given areas

The method of assembly and disassembly of the bullet proof panels is very simple and does not need specialized knowledge. Because of their shape, the shields provide inherent static stability when positioned on the floor and do not need permanent fixings.



Who can use kibo shields?

Kibo shields can be used for:

- Airports
- Convention Centers
- Hotels
- Crowd control
- Sports venues
- Embassies and Consulates
- Banks
- C Ports (ISPS)
- Emergency security measures
- Military facilities
- Events
- Exhibitions – demonstrations of explosive or dangerous materials.

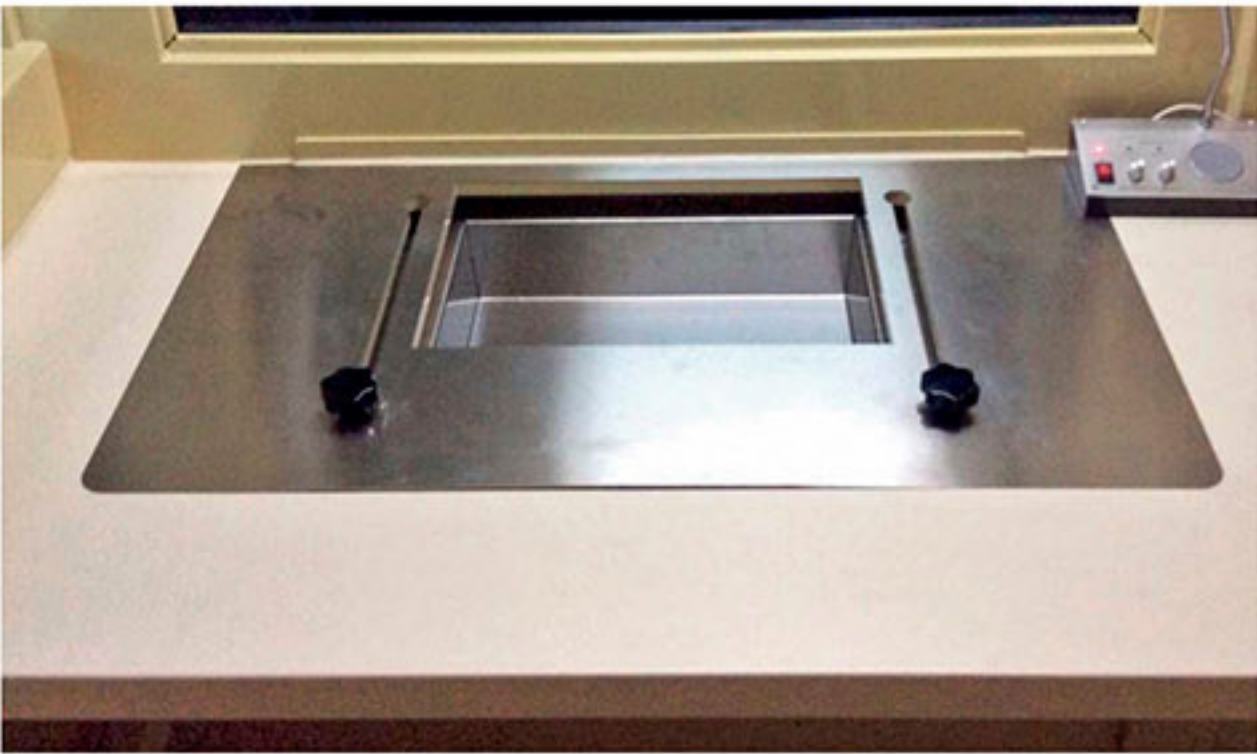
What are the main advantages of kibo shields?

- Can be used for permanent and temporary applications
- No building work is needed
- Aesthetic and architectural effects
- Low cost
- Easy storage when not used
- Large variety of colors
- Can be erected quickly due to their light weight and small size.
- They can be carried in elevators



Secure Transaction drawers

Secure Document Transfer Drawers are used to enable papers, IDs and other documents to be safely moved in and out of the building without putting personnel at risk because the drawer is never open internally and externally at the same time.



Type of Bulletproof sentry	kf1	kf2
GENERAL		
Dimensions	1,50mX1,50	1,50mX2,40
Crew	1+1	2+1
Number of units per 20' container	3 units	2 units
Weight per unit for Type Level III	2.650 kgs	3.450 kgs
Weight per unit for Type Level IV	2.850 kgs	3.750 kgs
Weight per unit for Type Level IV +	3.150 kgs	4.100 kgs
Thermal insulation (floor,walls, roof)	PUR panel	PUR panel
BALLISTIC - SELF DEFENCE		
Ballistic Resistance for Type Level III	7,62X51 FMJ (type Level III)or(UL 5)	7,62X51 FMJ (type Level III)or(UL 5)
Ballistic Resistance for Type Level IV	7,62X51 AP (type Level IV)or(UL 9)	7,62X51 AP (type Level IV)or(UL 9)
Ballistic Resistance for Type Level IV + (plus)	12,7X99 FMJ (type Level IV+)or(UL 10)	12,7X99 FMJ (type Level IV+)or(UL 10)
Windows with 'no spall' protection	Yes	Yes
Self Defence with 15cmX10cm gun ports	3 pcs	5 pcs
Physical ventilationwith antiblast protection	Yes	Yes
Emergency evacuation facility	Yes	Yes
Airlift version on demand	Yes	Yes
Mobile (on trailer) version on demand	Yes	Yes
ACCESSORIES		
Power requirements	5 kw	5 kw
A/C	9.000 btu heat cool	9.000 btu heat cool
1 st aid kit	1 pc	1 pc
Fire extinguisher 2kgs	1 pc	1 pc
Desktop	1 pc	1 pc
Chairs	1 pc	2 pcs
Communication interphone	1 pc	1 pc
Emergency roof light	1 pc	1 pc
12 L Beverage Fridge	1 pc	1 pc

Technical specifications		
kf3	kf4	kf6
1,50mX3,00m	2,00mX4,00m	2,40mX6,00m
3+1	4+1	6+1
1 unit	1 unit	on board
4.120 kgs	6.200 kgs	9.500 kgs
4.500 kgs	6.600 kgs	10.500 kgs
4.900 kgs	7.200 kgs	11.600 kgs
PUR panel	PUR pane	PUR panel
7,62X51 FMJ (type Level III)or(UL 5)	7,62X51 FMJ (type Level III)or(UL 5)	7,62X51 FMJ (type Level III)or(UL 5)
7,62X51 AP (type Level IV)or(UL 9)	7,62X51 AP (type Level IV)or(UL 9)	7,62X51 AP (type Level IV)or(UL 9)
12,7X99 FMJ (type Level IV+)or(UL 10)	12,7X99 FMJ (type Level IV+)or(UL 10)	12,7X99 FMJ (type Level IV+)or(UL 10)
Yes	Yes	Yes
5 pcs	6 pcs	6 pcs
Yes	Yes	Yes
Yes	Yes	Yes
No	No	No
Yes	No	No
5 kw	5 kw	5 kw
9.000 btu heat cool	12.000 btu heat cool	12.000 btu heat cool
2 pcs	2 pcs	2 pcs
2 pcs	2 pcs	2 pcs
2 pcs	2 pcs	2 pcs
3 pcs	4 pcs	6 pcs
2 pcs	2 pcs	2 pcs
1 pc	1 pc	1 pc
1 pc	2 pcs	2 pcs

Kibo Defender

Kibo Defender is available in either component form for on site assembly, or as a complete unity .

The kibo Defender guard houses are available in just two sizes for either 1 or 2-man operation. They are made to a simple design that is fully functional but have the added advantage of being able to be shipped in component form and assembled at the customer's facility (under initial supervision by our staff).

Available in 2 sizes:

Kd1 1,50m x 1,50m x 2,25m

Kd2 1,50m x 2,40m x 2,25m



Kibo Special Projects

Blast tests by Police forces



A successful ballistic test by the UAE army at Abu Dhabi.



Ballistic Screening booths for diplomatic building in Moscow



Desert version

Special Desert version of Ballistic resistant cabin in Iraq desert



Worldwide Kibo Sales

Security Sectors

Border security

Bank security

Police security

VIP security

Diplomatic security

Homeland security

Military security

Critical infrastructure security

Nuclear reactors security

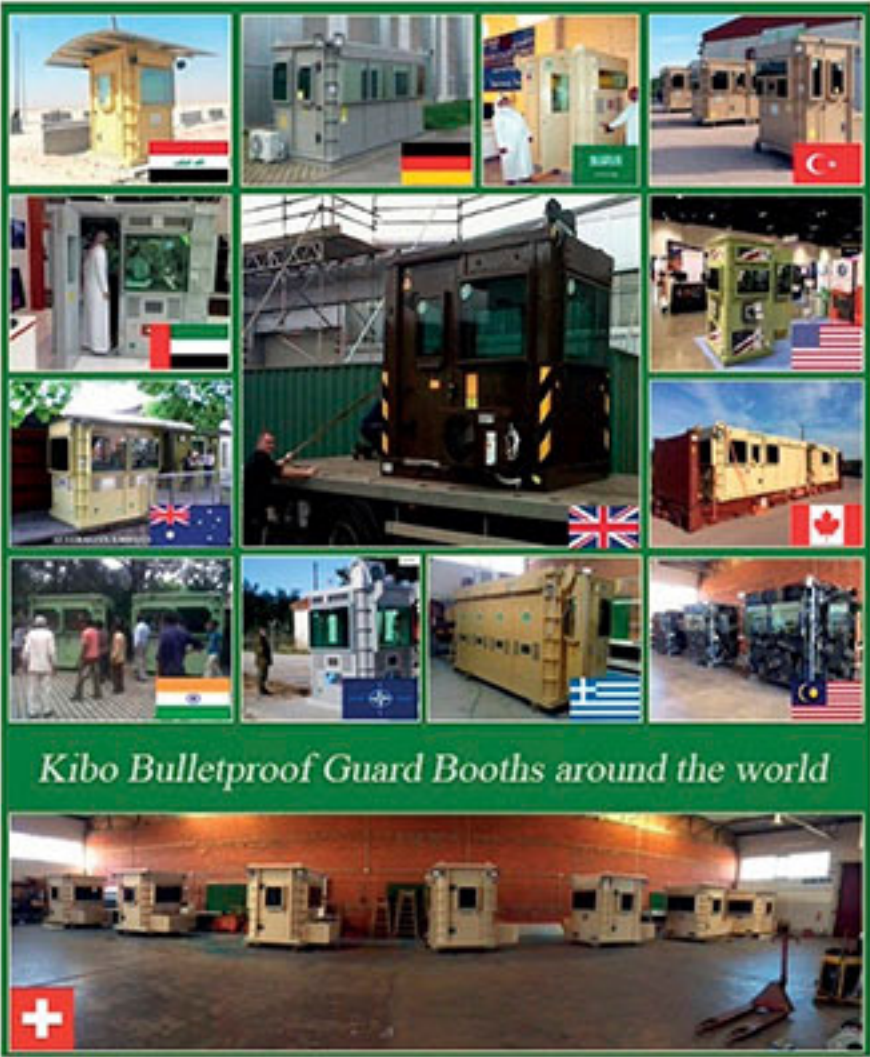
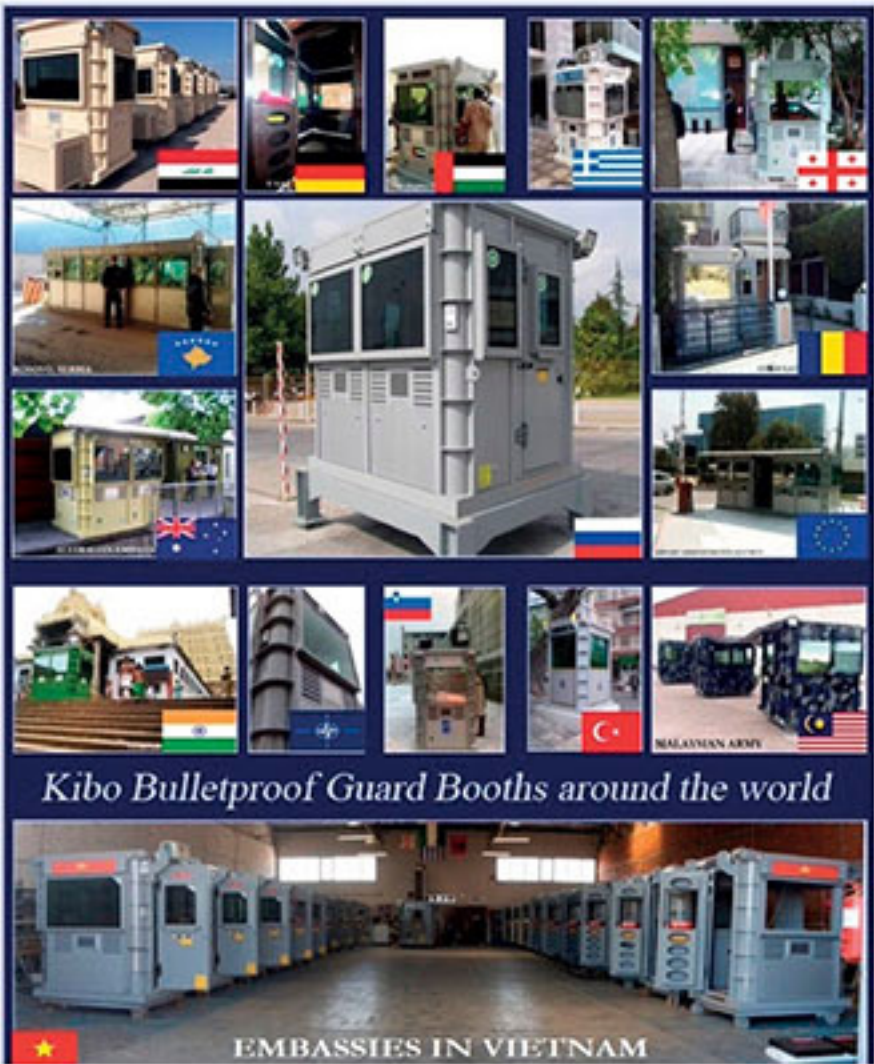
Port security

Airport security

Oilfields security

Dams security





Rating	Ammunition	Weight (grains)
Level 1	9mm Full Metal Copper Jacket with Lead Core	124
Level 2	.457 Magnum Jacteted Lead Soft Point	158
Level 3	.44 Magnum Lead Semi-Wadcutter Gas Checked	240
Level 4	.30 Caliber Rifle Lead Core Soft Point (.30-06 Caliber)	180
Level 5	7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)	150
Level 6	9mm Full Metal Copper Jacket with Lead Core	124
Level 7	5.56mm Rifle Full Metal Copper Jacket with Lead Core (.223 Caliber)	55
Level 8	7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)	150
Level 9	.30-06 caliber rifle, steel core, lead point filler, FMJ (APM2)	166
Level 10	.50 caliber rifle, lead core FMCJ Military Ball (M2)	709.5
Shotgun	12-Gauge Rifled Lead Slug / 12-Gauge 00 Buckshot (12 pellets)	1 Oz. / 1.5oz

Rating	Ammunition	Weight (grains)
Level I	.22 long rifle high velocity lead	40
Level I	.38 special round nose lead	158
Level II	.357 magnum jacketed soft point	158
Level II	9mm full metal jacket	124
Level IIA	.357 magnum jacketed soft point	158
Level IIA	9mm full metal jacket	124
Level III	7.62mm (.308 Winchester) full metal jacket	150
Level IIIA	.44 magnum Lead semi-wadcutter checked	240
Level IIIA	9mm full metal jacket	124
Level IV	.30-06 armour piercing	166

Rating	Ammunition	Weight (grains)
BR1, .22 LR	.22 LR RNL	40
BR2, 9mm	9 mm Luger FSJ-RNSC	124
BR3, .357 Magnum	.357 Magnum FSJ-CNSC	158
BR4, .44 Magnum	.44 Magnum FCJ-FNSC	240
BR5, 5.56 x 45 NATO AP	5.56 mm x 45 NATO SS 109 steel penetrator	62
BR6, 7.62 x 51 NATO	7.62 mm x 51 NATO M80 FSJ	147
BR7, 7.62 x 51 NATO AP	7.62 mm x 51 NATO AP SHC	150
SG1/SG2, Shotgun	12 gauge solid lead Brenneke slug	478

Ratings of Bullet Resistant materials as identified by: UL 752			
Weight (grams)	min fps	max fps	Number of shots
8.0	1175	1293	3
10.2	1250	1375	3
15.6	1350	1485	3
11.7	2540	2794	1
9.7	2750	3025	1
8.0	1400	1540	5
3.56	3080	3383	5
9.7	2750	3025	5
10.8	2715	2987	1
45.9	2810	3091	1
28.3 / 42	1585 / 1200	1744 / 1320	3 / 3
Ratings of Bullet Resistant materials as identified by: National Institute of Justice (NIJ) 018.01			
Weight (grams)	Min/Max (meters/sec)	Min/Max (feet/sec)	Number of shots
2.6	320 +/- 12	1050 +/- 40	5
10.2	259 +/- 15	850 +/- 50	5
10.2	425 +/- 15	1395 +/- 50	5
8.0	358 +/- 12	1175 +/- 40	5
10.2	381 +/- 15	1250 +/- 50	5
8.0	332 +/- 12	1090 +/- 40	5
9.7	838 +/- 15	2750 +/- 50	5
15.55	426 +/- 15	1400 +/- 50	5
8.0	426 +/- 15	1400 +/- 50	5
10.8	868 +/- 15	2850 +/- 50	1
Ratings of Bullet Resistant materials as identified by: European Standard DIN EN 1063			
Weight (grams)	min fps	max fps	Number of shots
2.59	1048	1214	3
8.04	1280	1345	3
10.24	1378	1444	3
15.55	1411	1476	3
4.02	3084	3150	3
9.53	2690	2756	3
9.72	2657	2723	3
30.97	1312	1444	1



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