



Beijing ZhuoAoShiPeng Technology Co., Ltd.

CORPORATE PROFILE





## Professional Manufacturer of Hostile Vehicle Mitigation Barrier

Beijing ZhuoAoShiPeng Technology Co., Ltd was established in 2009, which is professional manufacturer of hostile vehicle mitigation barrier, the R&D and the operation office is situated in Fengtai District of Beijing. And the manufacturing base is located in Renqiu City, Hebei Province, the fabrication space now comprises of more than 120,000 square feet of production area.

ZASP provide high security level products of Hydraulic Automatic Bollards, Fixed Bollards, Road Blockers and Rising Beam Gate, also supply Semi-Automatic Bollards, Removable Bollards, Manual Retractable bollards, Tyre Killers and Portable MVB for different security level selected.

ZASP products are widely used in many locations across the Globe, such as Embassies, Airports, Schools, Governments, Stadiums, Rail Stations, Banks, Energy Plants, Commercial sites, Private Residences and more.





## Company Locations





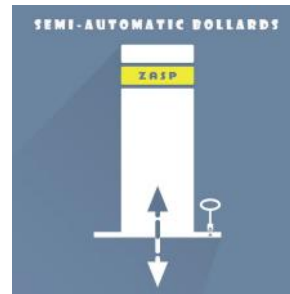
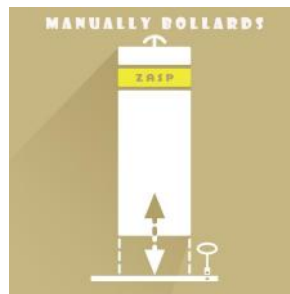
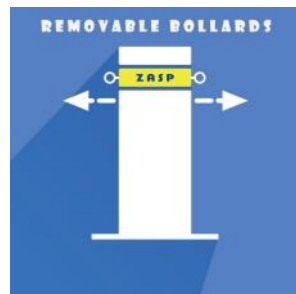
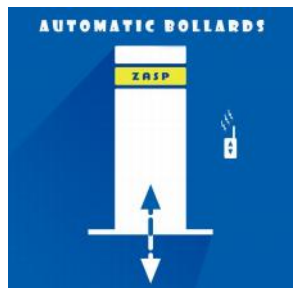


## Manufacturing Base





## A Decade of Development









## Product Qualifications - CE, SGS, Patents 72



China Standard Impact Test Report



5000 Times Continues  
Lifting and high-low  
temperature test report



IP68 Report



App and PC Software Copyright



Utility Model Patent



Design patent



CE



**ASTM F2656-18**



**PAS 68:2013**



**IWA 14-1:2013**



**GA/T 1343-2016**







## China Approval



The Ministry of Public Security, the China agency is responsible for defining the physical security equipment that is installed on all public roads in China, industry standards GA/T1343-2016.

The ZASP bollards, road blockers products were the first in China to exceed the stringent testing and inspections carried out by the aforementioned Ministry, obtaining three approvals that formalise the installation of ZASP bollards and road blockers on all China public roads.





As a leader of Chinese Vehicle Barrier Industry

## We Are The First!



As a Chinese supplier, ZASP was the first passed the vehicle impact test by 6800KGS/80KMH standard in 2011.



As a Chinese supplier, ZASP was the first to pass the vehicle impact test for three products in 2018 after China Standard GA/T1343-2016 published .



As a Chinese supplier, ZASP's products were the first to do the vehicle impact test by ASTM standard in 2019, IWA & PAS standard in 2020, 2022 & 2023







## New Arrivals 2023 - K12 Fixed Bollards & K4 Automatic Bollards



**Super Shallow mounted Fixed Bollard**  
**Depth: 200mm**  
**Intercept Height: 1100mm**  
**Diameter: 273mm**  
**Impact Test: IWA 14-1 7200KG/80KmH**  
**K12**  
**M50**



**Fixed Bollard**  
**Depth: 500mm**  
**Intercept Height: 1100mm**  
**Diameter: 273mm**  
**Impact Test: PAS 68 & IWA 14-1**  
**7500KG/80KmH**  
**K12 / M50**



**Automatic Bollard**

**Intercept Height:**  
**1000mm**  
**Diameter: 219mm**

**Impact Test:**  
**IWA 14-1**  
**7200KG/80KmH**

**K4**

**M30**



## IWA14-1 & PAS68 Impact Test - 7500KG/M50 - Automatic Bollards - 2022







## IWA14-1 & PAS 68 Impact Test - 7500KG/M30 - Fixed Bollards - 2022





## IWA14-1 Impact Test - 7200KG/M30 - Fixed Bollards - 2022







## IWA14-1 Impact Test - 7200KG/M30 - Heavy duty Beam Gate - 2022



Movement Principle: Manual / Hydraulic

**Intercept width 8 meters**





## IWA & PAS Impact Test - 7500KGS / 80KmH - Shallow Mounted Road Blockers - 2020





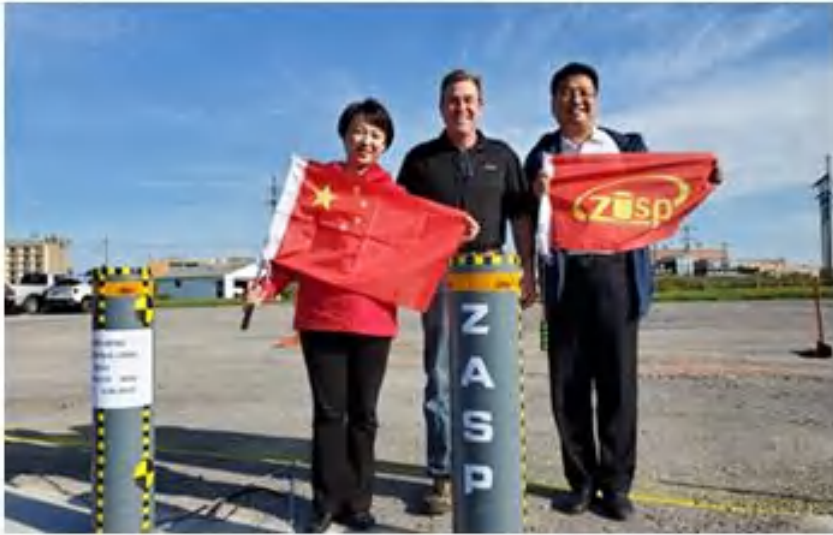


## IWA Impact Test - 7200KGS / 48KmH - Shallow Mounted Fixed Bollards - 2020





## ASTM Impact Test - 6800KG/M50 - Fixed Bollards - 2019







## China GA Impact Test - 1500KGS / 100KmH - Automatic Bollards - 2018







## China GA Impact Test - 6800KGS / 80KmH - Automatic Bollards - 2018







## China GA Impact Test - 6800KGS / 65KMH - Road Blockers - 2018







## Why HVM Barriers?



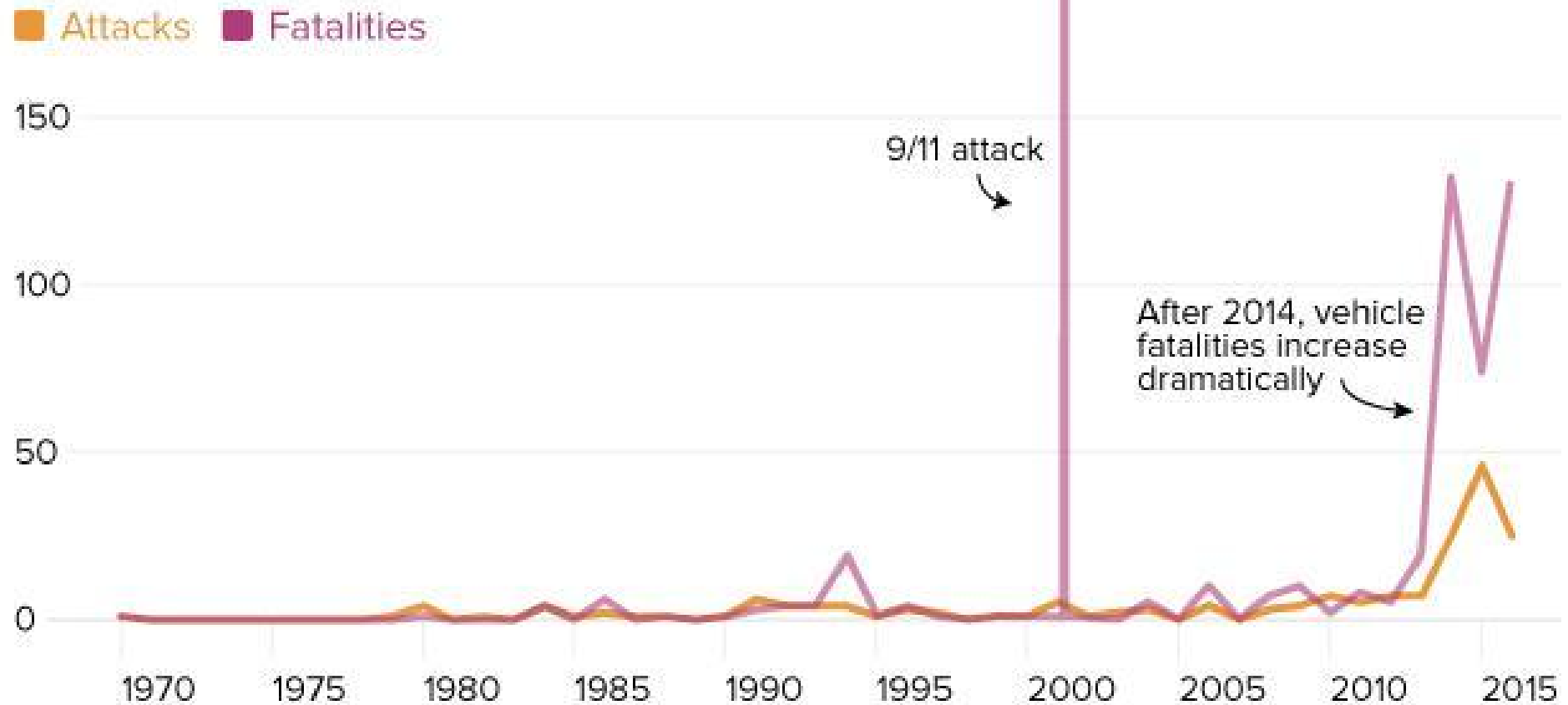
Truck Attack in Nice, France 14-Jul-2016  
60+ people were killed and hundreds injured



Truck Attack in Barcelona, Spain 2017.  
13 people were killed and hundreds injured



## "Vehicle Contact" Terrorism is Increasing Dramatically





## What ZASP can offer? - K12 Road Blockers



Shallow Mounted Road Blockers  
Suprema RB-SM501  
Depth: 300mm  
Intercept Width: 3M-4M-5M  
K12 / M50 / P1







## What ZASP can offer? - K12 & C60 Automatic Bollards



Automatic Bollards  
Suprema HB-HA502  
Intercept Height: 1000mm  
Diameter: 273mm  
K12 / M50 / P2



Automatic Bollards  
HA102-600  
Intercept Height: 600mm  
Diameter: 217mm  
Impact tested by  
1500KG/100KmH  
C60 / P1



## What ZASP can offer? - K4 Fixed Bollards



### Fixed Bollard

Depth: 450mm

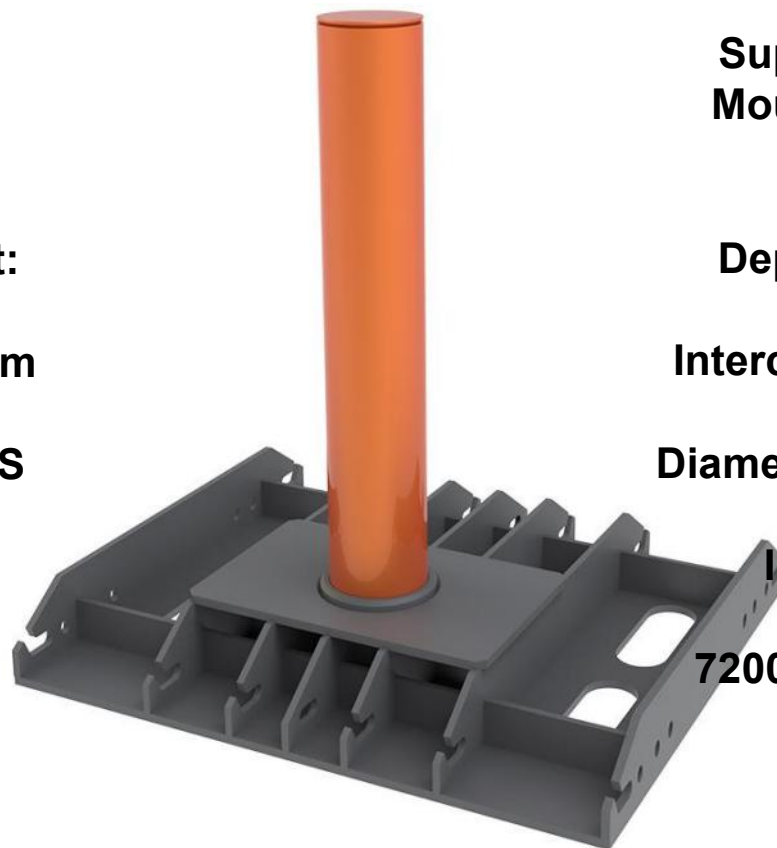
Intercept Height:  
1000mm

Diameter: 219mm

Impact Test: PAS  
68 & IWA 14-1  
7500KG/48KmH

K4 / M30

P1



### Super Shallow Mounted Fixed Bollard

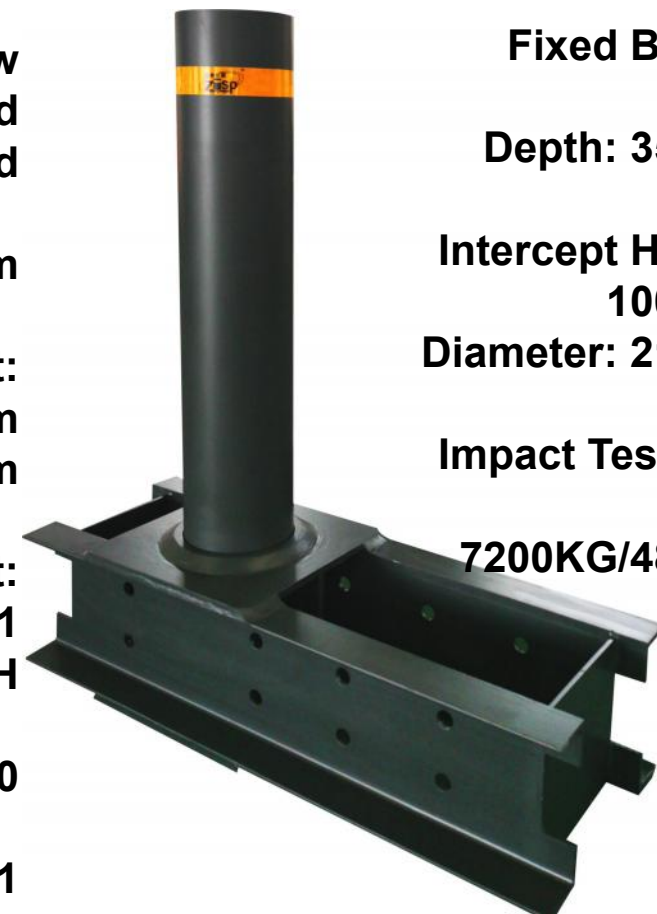
Depth: 200mm

Intercept Height:  
1000mm  
Diameter: 219mm

Impact Test:  
IWA 14-1  
7200KG/48KmH

K4 / M30

P1



### Fixed Bollard

Depth: 350mm

Intercept Height:  
1000mm  
Diameter: 219mm

Impact Test: IWA  
14-1  
7200KG/48KmH

K4

M30

P1

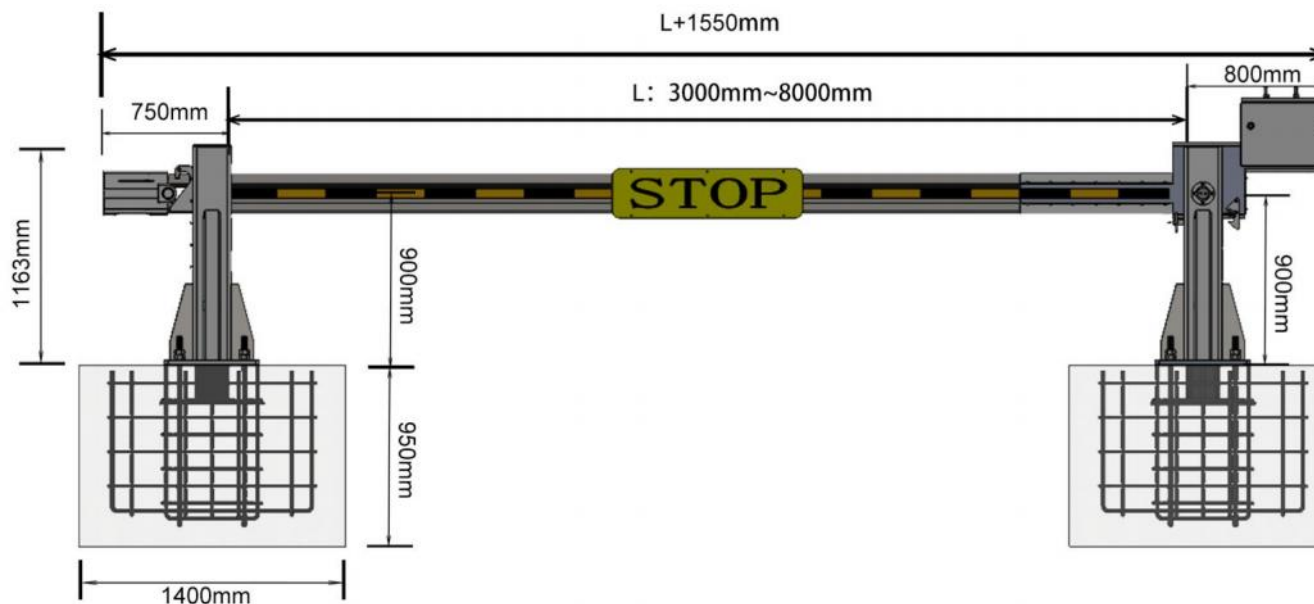




\* Hydraulic or manual type optional;

\* Intercept Width 3~8 meters, maximum 8 meters;

\* Impact Tested by IWA 14-1 7200KG/48KmH, width 8 meters, P1;





## What ZASP can offer? - General Vehicle Barrier



HA107-600  
Telescope Automatic  
Bollards



F101-600



F103-600



R101-600



R102-600





## What ZASP can offer? - General Vehicle Barrier

### Semi-Automatic Bollards



Model: SA101  
Diameter: 131mm  
Intercept Height: 600mm  
Thickness: 4mm



Model: SA102  
Diameter: 217mm  
Intercept Height: 600mm  
Thickness: 6mm

### Manually Retractable Bollards



Model: M101  
Diameter: 131mm  
Intercept Height: 600mm  
Thickness: 4mm



Model: M101  
Diameter: 217mm  
Intercept Height: 600mm  
Thickness: 6mm



## What ZASP can offer? - Modular Vehicle Barriers(MVB)







## What ZASP can offer? - Tyre Killers



Model: TK103

speed bump tyre killers

fixed on the flat concrete surface by expansion screws

Length: 1000mm~8000mm

Width: 500mm

Height: 63mm

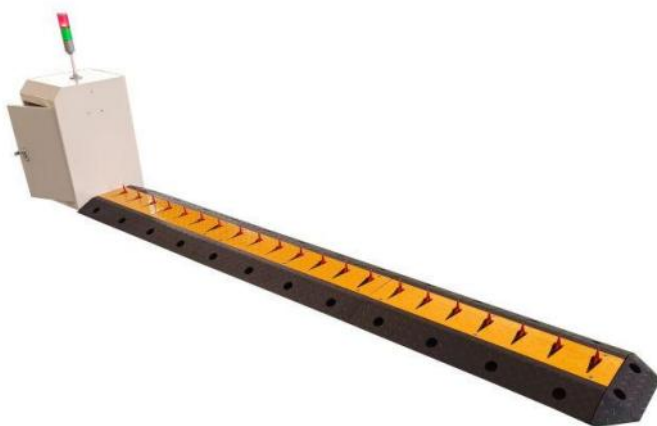
Blocking spikes intercept height: 55mm

Distance between blocking spikes: 140mm

Blocking spikes thickness: 10mm

Weight capacity:  $\leq 100$  Tons

Controller Cabinet Dimension: 456L x 360W x 708Hmm





## Why ZASP?



### +14 Years

Established in 2009, product independent R&D, production and implementation, we set standards of excellence for the industry in China.



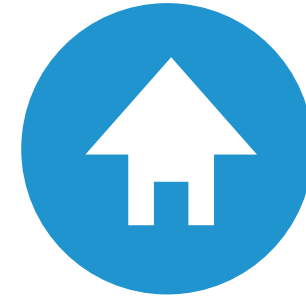
### China Innovation

+72 Patents of Utility Models, Design and Copyright of Computer Software.



### Security Partners

+1200 Branch office & Agents are all dedicated engineering, project management and service departments can support you from initial design stages through to installation and aftercare.



### Implementation

+10000 project of security barrier implemented across the globe.





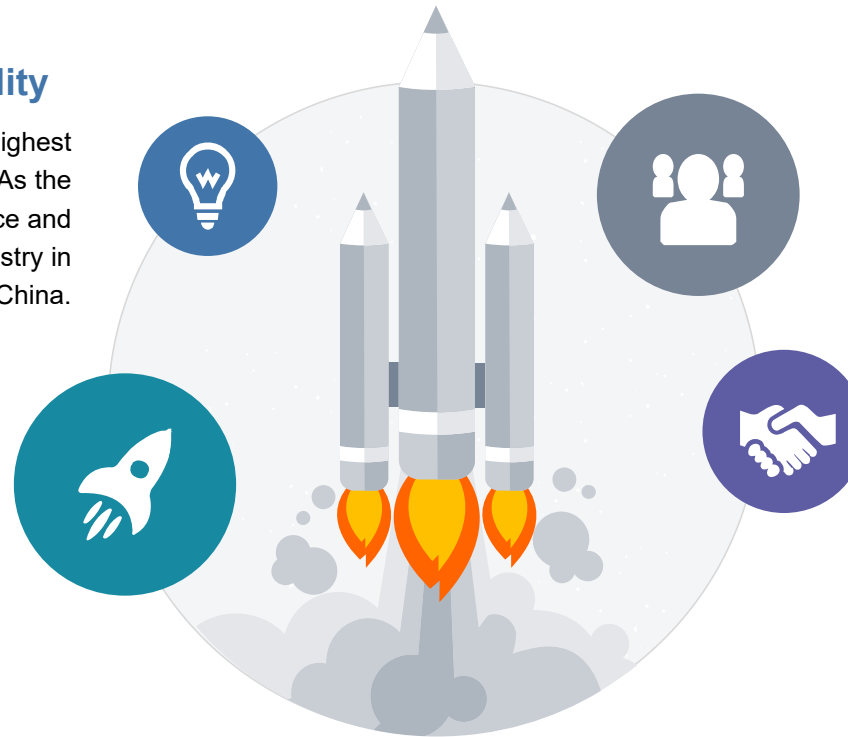
## Services - Customized, OEM & ODM

### Know-How & Quality

ZASP spans more than 12 years producing the highest quality Hostile Vehicle Mitigation equipment. As the professional manufacturer in R&D, produce, service and application innovation, we set standards for the industry in China.

### Rapid Delivery

We have big production capacity to guarantee fast delivery and on-time shipment.



### Factory Direct

We are your "one-stop-factory", covering HVM equipment enclosure production, assembly, integration, delivery, and keeping everything under one roof to make it easier for our customers. **OEM & ODM** service are available.

### Customer Service

Comprehensive service working closely with our customers, fast response and direct service, experienced sales and engineers are always here to solve your queries or problems.











## Case Studies - Energy Plants







## Case Studies - Airport







## Case Studies - Military







## Case Studies - Commercial













## Customers

**Princeton Digital Group**

Internet Infrastructure



**Tencent 腾讯**



**lenovo 联想**







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