



**APAC**

APAC BUILDERS EQUIPMENT CO.

YOUR PARTNER IN WORKSITE SAFETY

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**2021**

**EDGE  
PROTECTION  
SYSTEM**

**MARKET RESEARCH  
REPORT**

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Prepared by APAC Builders Equipment Co., Ltd



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FOR MORE INFORMATION



# WHAT IS EDGE PROTECTION SYSTEM

**Edge Protection System** (also known as fall protection equipment) is commonly used during the construction of commercial buildings, infrastructure and industrial, primarily to prevent persons and objects from falling to a lower level from working surfaces (sloped or flat), such as building and construction edges, technological openings (e.g. elevators), roof edges, passageways and other areas where there is a risk of falling from height.

The edge Protection Systems are still a relatively new aspect to the masses.

Most of the construction sites are still using guardrails, scaffolding tubes and debris netting as edge protection equipment nowadays.

So this report mainly focuses on the formwork type edge protection system (wire mesh panels system), instead of simple steel pipe structure type.



## GLOBAL MARKET SIZE

The global edge protection system market was expected to be valued at US\$ 378.2 million in 2018, and rising at US\$ 385.9 million by the end of 2021.

Owing to many countries put the emphasis on increasing infrastructure construction of many countries and focus on the safety measures in the high-rises constructions, the **Edge Protection System Market Size is expected to reach US\$ 602.6 million in 2026, growing at a CAGR of 6.5% during the next five years.**

# MARKET DRIVES

- Increasing construction activities
- Growing awareness about the protection techniques

**INCREASING DEMAND FOR EDGE PROTECTION SYSTEM FROM VARIOUS END-USER INDUSTRIES INCLUDING COMMERCIAL CONSTRUCTION, INFRASTRUCTURE, INDUSTRIAL IS EXPECTED TO DRIVE THE CONSUMPTION OF EDGE PROTECTION SYSTEM MARKET DURING THE FORECAST PERIOD.**

With the rising capital income in both the developed and developing countries, the construction activities of commercial and residential sector are increasing every year in the major cities.

Compared with traditional edge guards items, Edge Protection Systems are superior in terms of safety factor, maintenance and long-term benefits. More construction companies are realizing the benefits of edge protection systems and start to using this composite wire mesh panel structures.

Furthermore, the government initiatives to safeguard labors by implementing strict rules and regulations for the public safety. This stimulates the rising awareness of site safety products, those can effectively prevent labors from the risk of falling from the edges of the construction building.

These two major factors are driving the growth of global edge protection system market.





# MARKET SEGMENT -BY REGION

## NORTH AMERICA

US, CANADA, AND REST OF NORTH AMERICA

## EUROPE

UK, FRANCE, GERMANY, SPAIN, ITALY, TURKEY, SWEDEN, DENMARK, SWITZERLAND, NETHERLANDS, RUSSIA AND REST OF EUROPE

## APAC

CHINA, JAPAN, SOUTH KOREA, INDIA, AUSTRALIA, NEW ZEALAND, THAILAND, MALAYSIA, PHILIPPINES, INDONESIA, SINGAPORE AND REST OF APAC

## MIDDLE EAST AND AFRICA

KSA, UAE, ISRAEL, REST OF GCC COUNTRIES, SOUTH AFRICA, KENYA, EGYPT, REST OF MEA

## LATIN AMERICA

BRAZIL, ARGENTINA, CHILE AND REST OF LATIN AMERICA

The economic bedrock of the country directly affects the using degree of edge protection systems. That is easier to see edge protection system being used wildly in developed countries when compared with other developing countries.

The U.S is standing in top position in leading the highest shares of the market.

With growing concentration on safety measures by government organizations, Europe is following North America.

Skyscrapers are all becoming increasingly in Middle East countries these days, so it's bound to have a profound effect on magnifying the demand of the market.

In addition, APAC is anticipated to huge growth opportunities and to hit the highest CAGR in foreseen years with increasing population and rise in the demand for high-rise buildings.

# MARKET SEGMENT -BY APPLICATION

## INFRASTRUCTURE

The basic physical and organizational structures and facilities (e.g. roads, bridges, power supplies)



## COMMERCIAL CONSTRUCTION

Involves projects such as the shopping mall, hotels, composite apartments, building of offices, industrial facilities and other business establishments



## INDUSTRIAL

Industrial construction mainly refers to the construction of factories or warehouses



**" The commercial construction segment records the highest CAGR owing to the rising construction of residential buildings and others globally. "**

# MARKET SEGMENT - BY PRODUCT TERM



**CONCRETE  
EDGE PROTECTION SYSTEMS**



**STEEL STRUCTURE  
EDGE PROTECTION SYSTEMS**



**FORMWORK  
EDGE PROTECTION SYSTEMS**

The **concrete edge protection systems** have gained the largest share of the business in the existing market segment. The **formwork edge protection systems** segment will record the highest CAGR at the end of the next five years, with the increasing specific constructions in emerging economies and developed countries.

# CHALLENGING FACTORS



## COVID-19

Even now the construction industry are suffering from this crisis. Many construction projects have been temporarily stopped keeping in mind the health of the workers. Overall, with the improvement of testing methods and vaccination it has taken a better turn.



## RAW MATERIALS

Steel is one of the most important materials used to manufacture edge protection systems. The price has continued to go up over the past three seasons, remaining more volatile than most expected. And the productivity of manufacturers has decreased by the rising raw materials and reducing procurement requirements.



## LOGISTICS FEES

Another factor is the escalation of operating costs in the logistics sector. Affected by the health and economic crisis, the imbalance of world trade flows leads to a shortage of containers.

Global manufacturing activity rebound caused a strong rise in international orders and resulted in supply bottlenecks, which in turn are reflected in higher shipping costs.



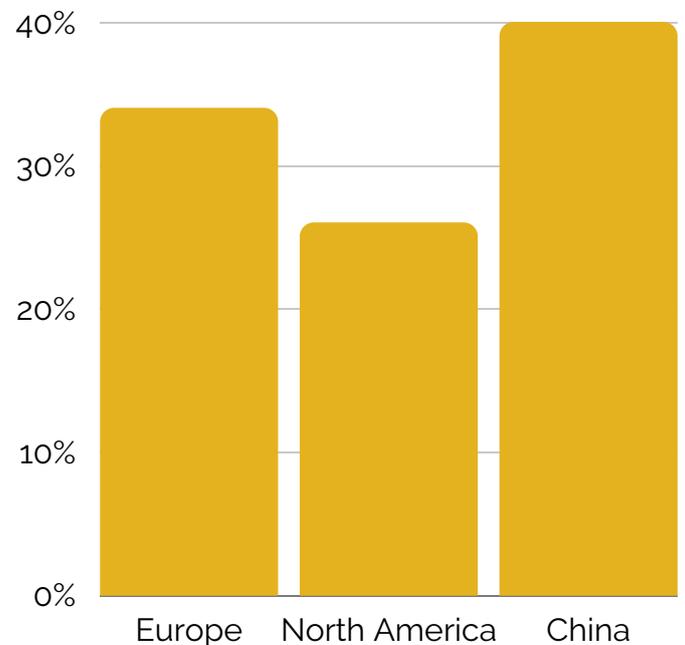
## TRADE FRICTIONS

Considering the ongoing diplomatic frictions among some of the major economies and the current difficulties within the multilateral trading system, there is the risk that some of these policies may be trade restrictive, for example: banned lists, high tariffs, etc.

# MAIN ORIGIN



COVID-19 has disrupted the economies and many factories can not continue their original level of production. China early success in pandemic mitigation allowed them to maintain normal production. Capitalized on booming global demand for construction related products, the positive export trends from 2020 is beginning to pick up in 2021. In spite of what happened, Europe is still the largest consumer market and main origin. followed by North America, it shares the last percent.



# **GLOBAL TOP 15** **EDGE PROTECTION SYSTEM** **MANUFACTURERS**

**COMBISAFE**  
SAFETY BY SYSTEMS

**RAPID-EPS**  
TOTAL PROTECTION WITH EASE

**SAFETYRESPECT**

**KGUARD**

**APAC**

**doka**

**PERI**

**Aluma SYSTEMS**  
CONCRETE CONSTRUCTION

**easi-edge**  
on-site safety solutions

**HÜNNEBECK**  
BY BRAND SAFWAY

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**TITAN**

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**TSS**

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**ANY QUESTIONS ABOUT  
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HOPE TO COMMUNICATE  
WITH YOU!**

**Contact at [info@apacsafety.com](mailto:info@apacsafety.com).**