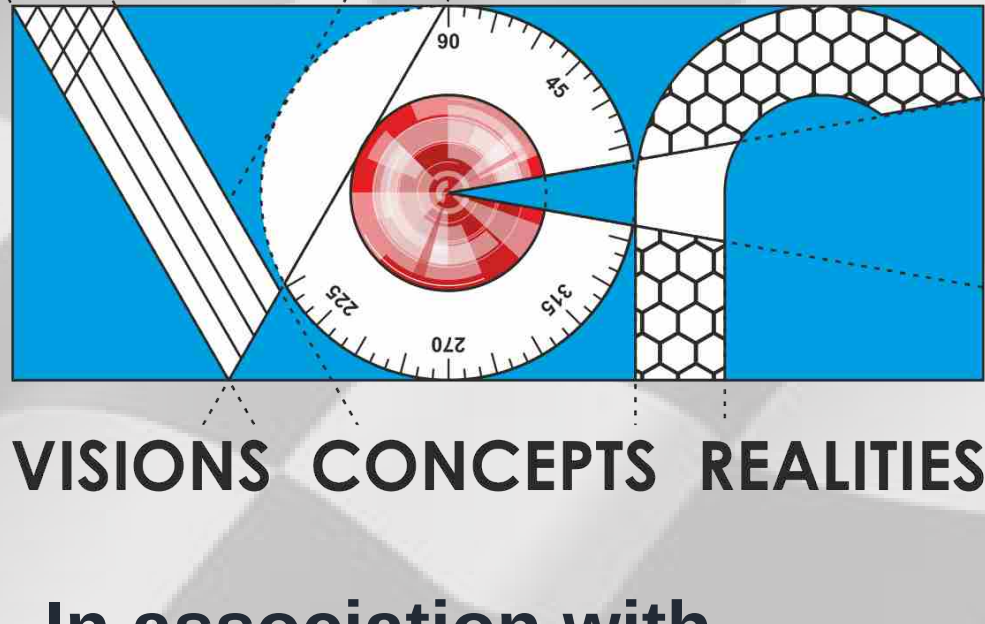
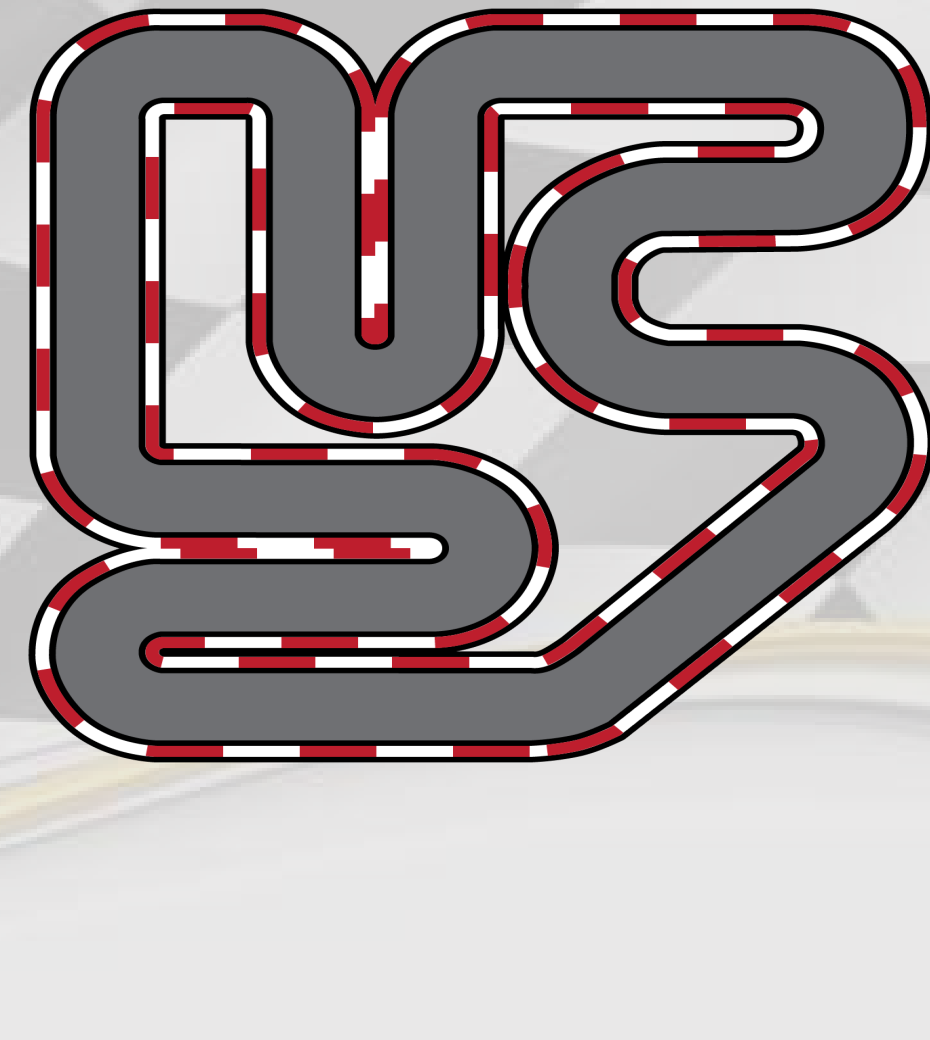


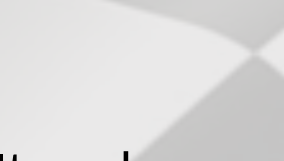
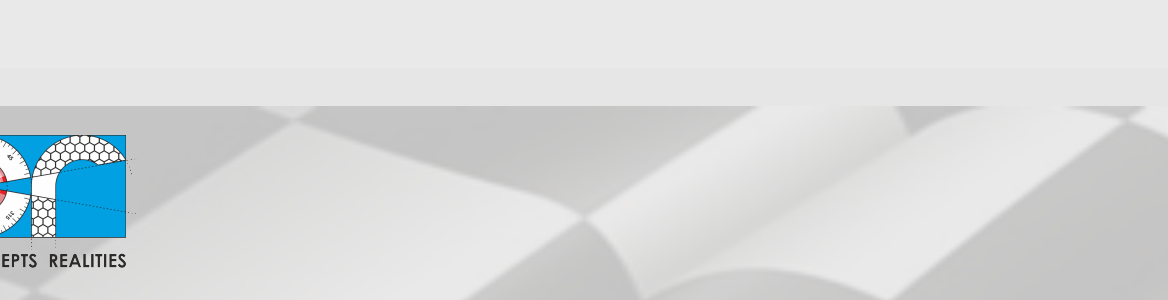
# Track Design and Consultancy



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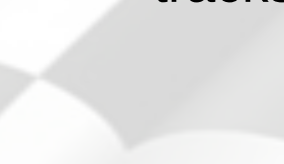
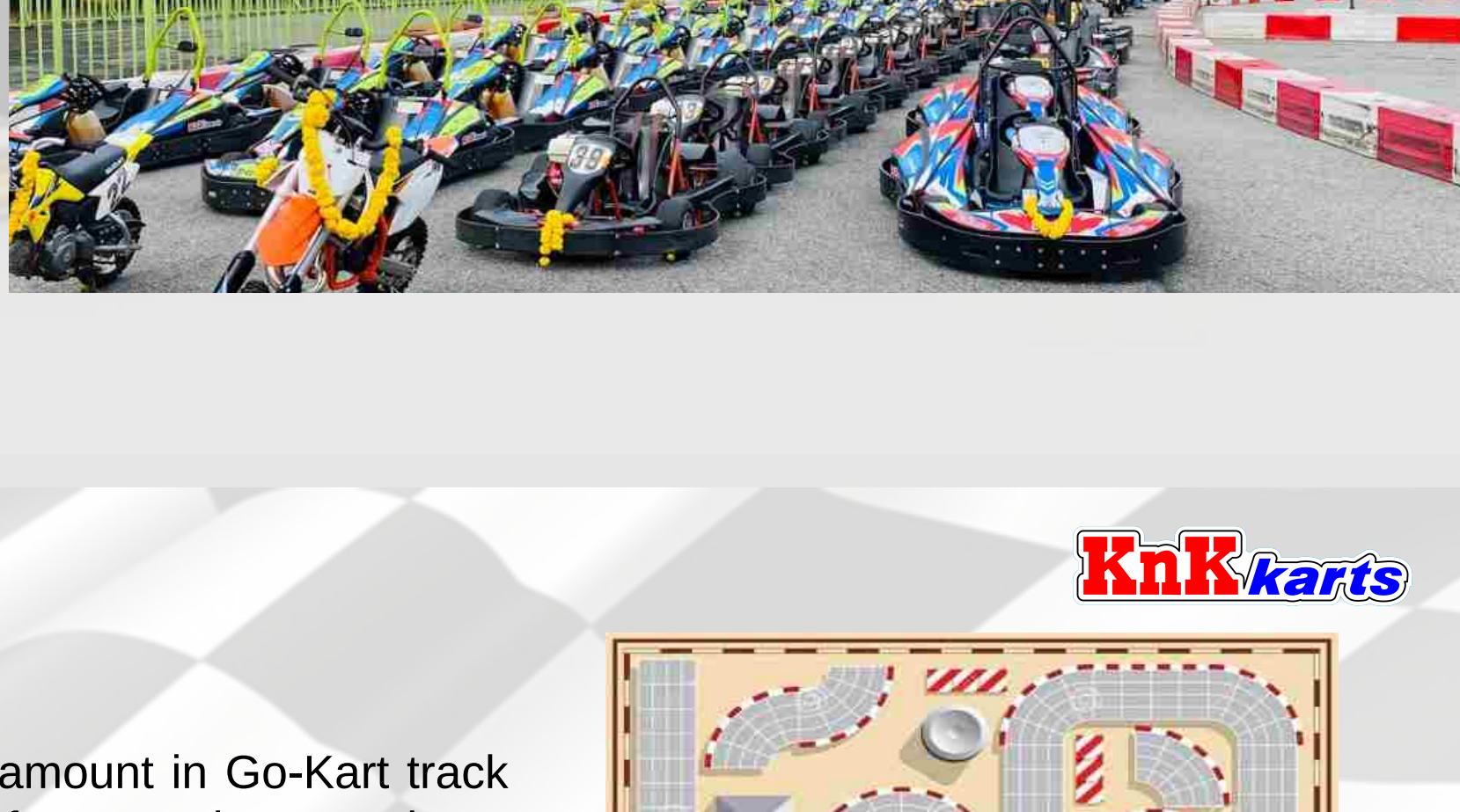


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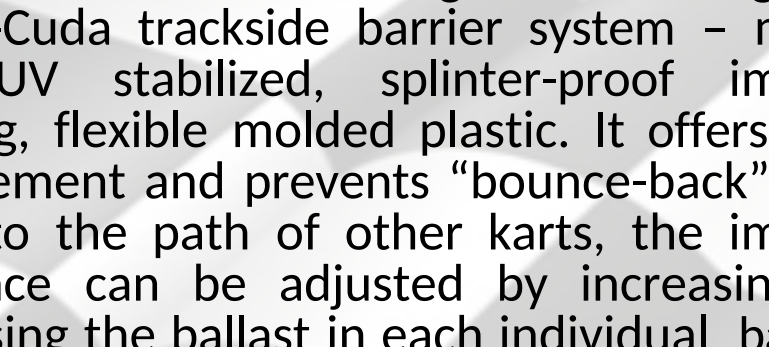
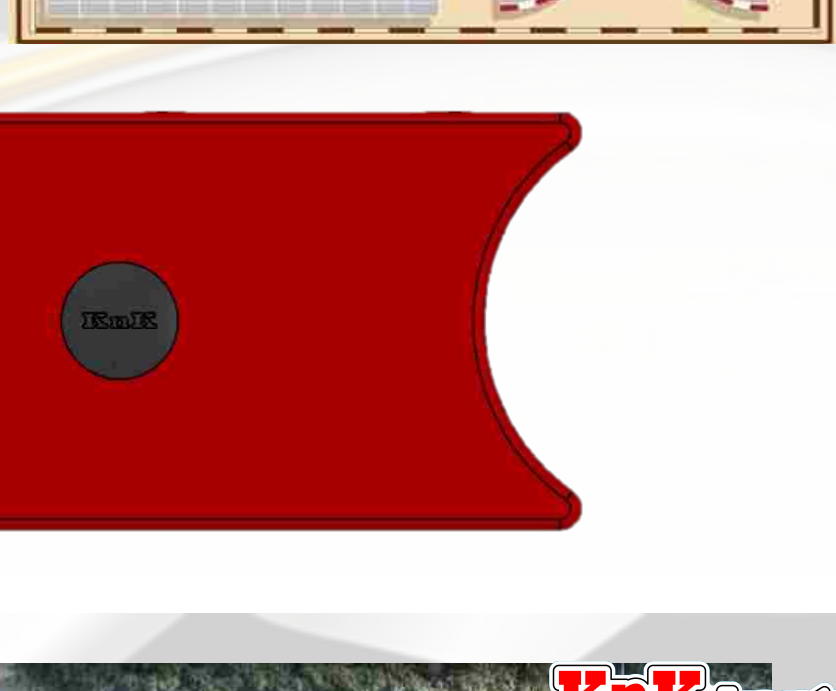


Go-Karting is showing an encouraging rate of growth in India as it is doing overseas, where it is the fastest growing form of sport and entertainment, where tracks are being built at various places around the country.

It makes good sense to give the two forms of karting a good thought and to design tracks for them separately. The purpose of this exercise would be to develop a track with options that can cater to both Rental as well as 4-stroke racing, thus increasing the scope of the facility and generation of profits for such tracks.



**Track Safety:** Safety is paramount in Go-Kart track design. Advancements in safety over the years have added innovative features such as impact-absorbing barriers, runoff areas, tire walls, and advanced trackside safety systems for better safety at tracks.



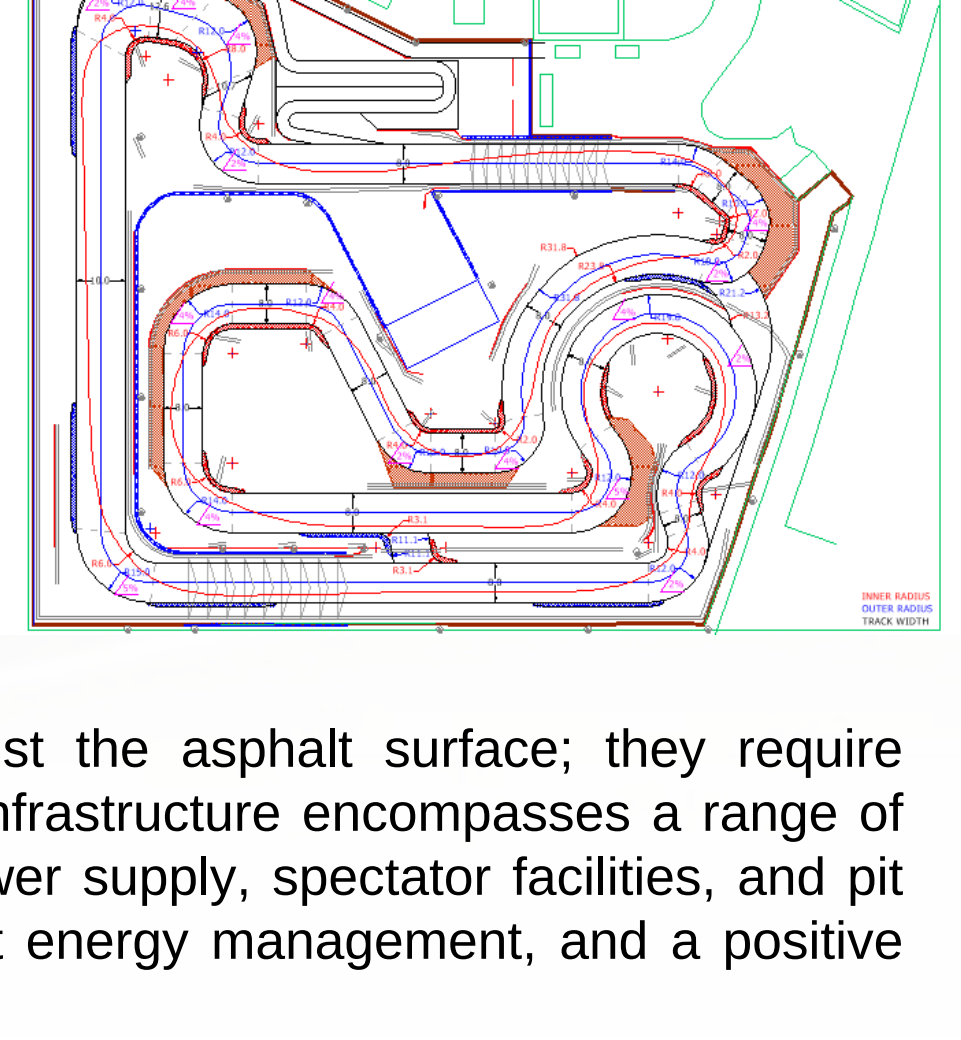
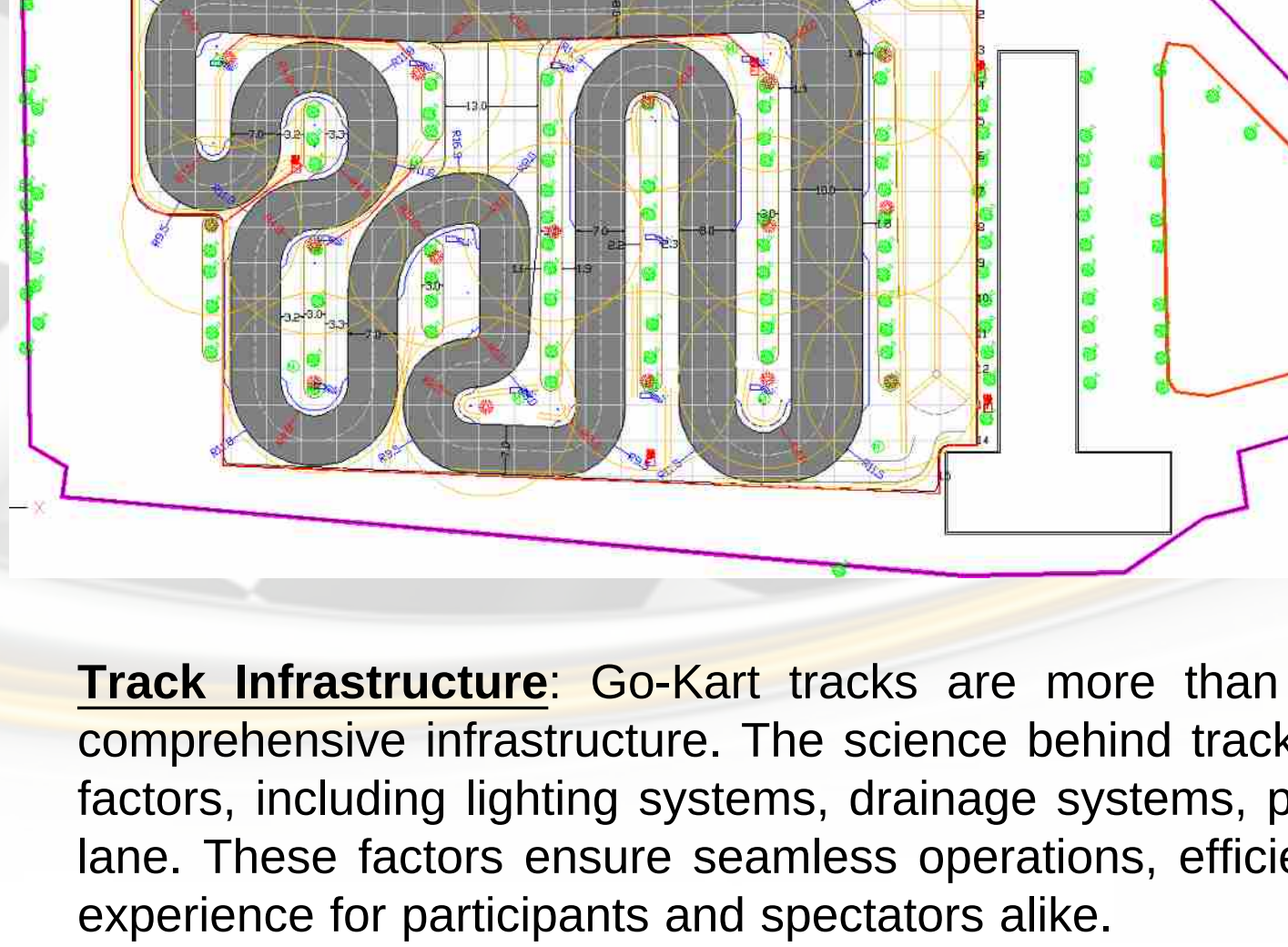
There are lots of advantages with using the Barrier-Cuda trackside barrier system - made from UV stabilized, splinter-proof impact resisting, flexible molded plastic. It offers safe displacement and prevents "bounce-back" of a kart into the path of other karts, the impact resistance can be adjusted by increasing or decreasing the ballast in each individual barrier. Hard, low friction deflector plates are available as optional extras to fit to barriers at accident prone sections of the track, to improve safety and strength.



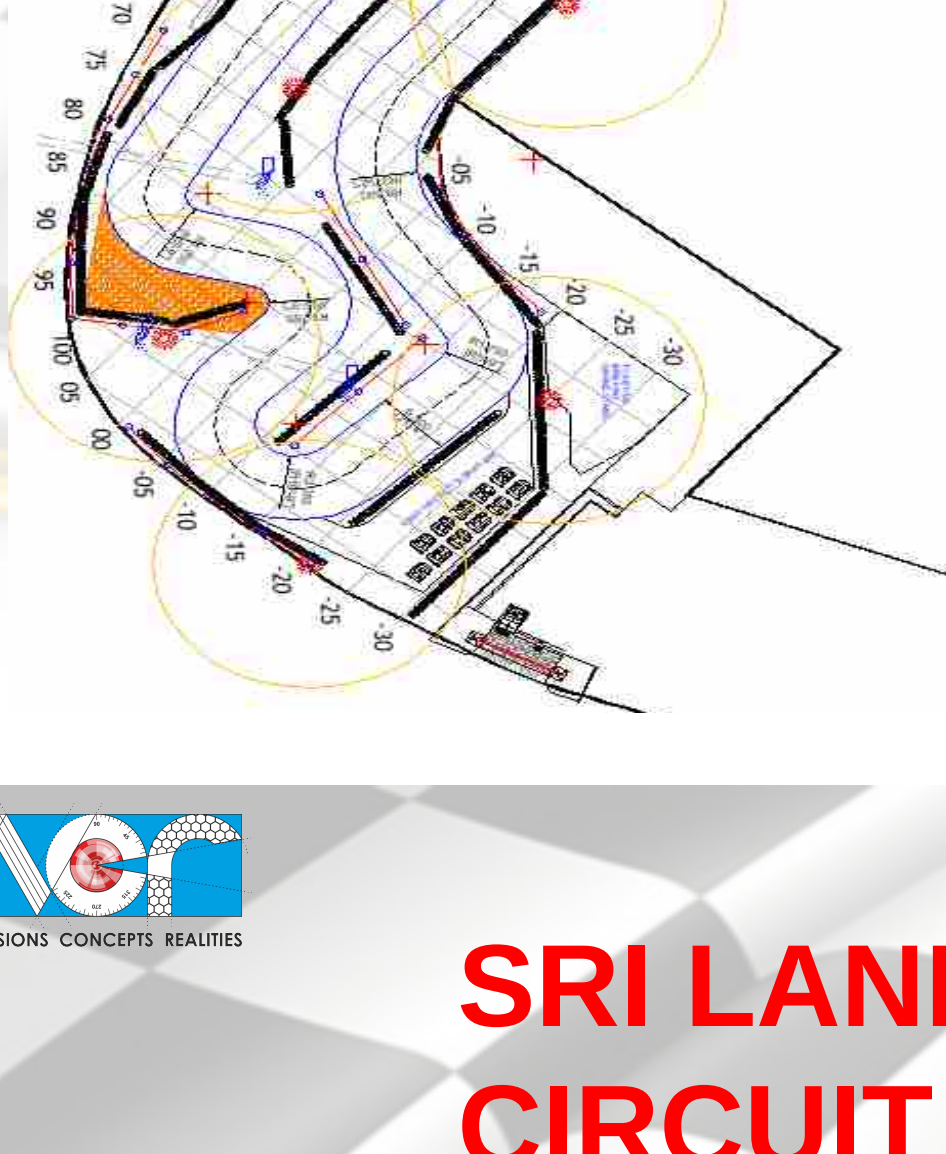
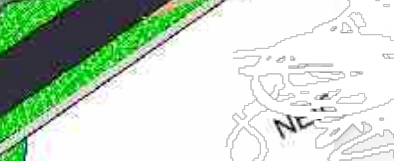
Barrier interlinking permits lengths of barrier chains to be adjusted to suit the track and conditions. It is completely sealed and does not retain water, so mosquitos don't have a place to breed in it. It lends an appealing colorful and neat look to the track different color barriers are available on special request. The flat sides provide an attractive place to display advertisements of sponsors.



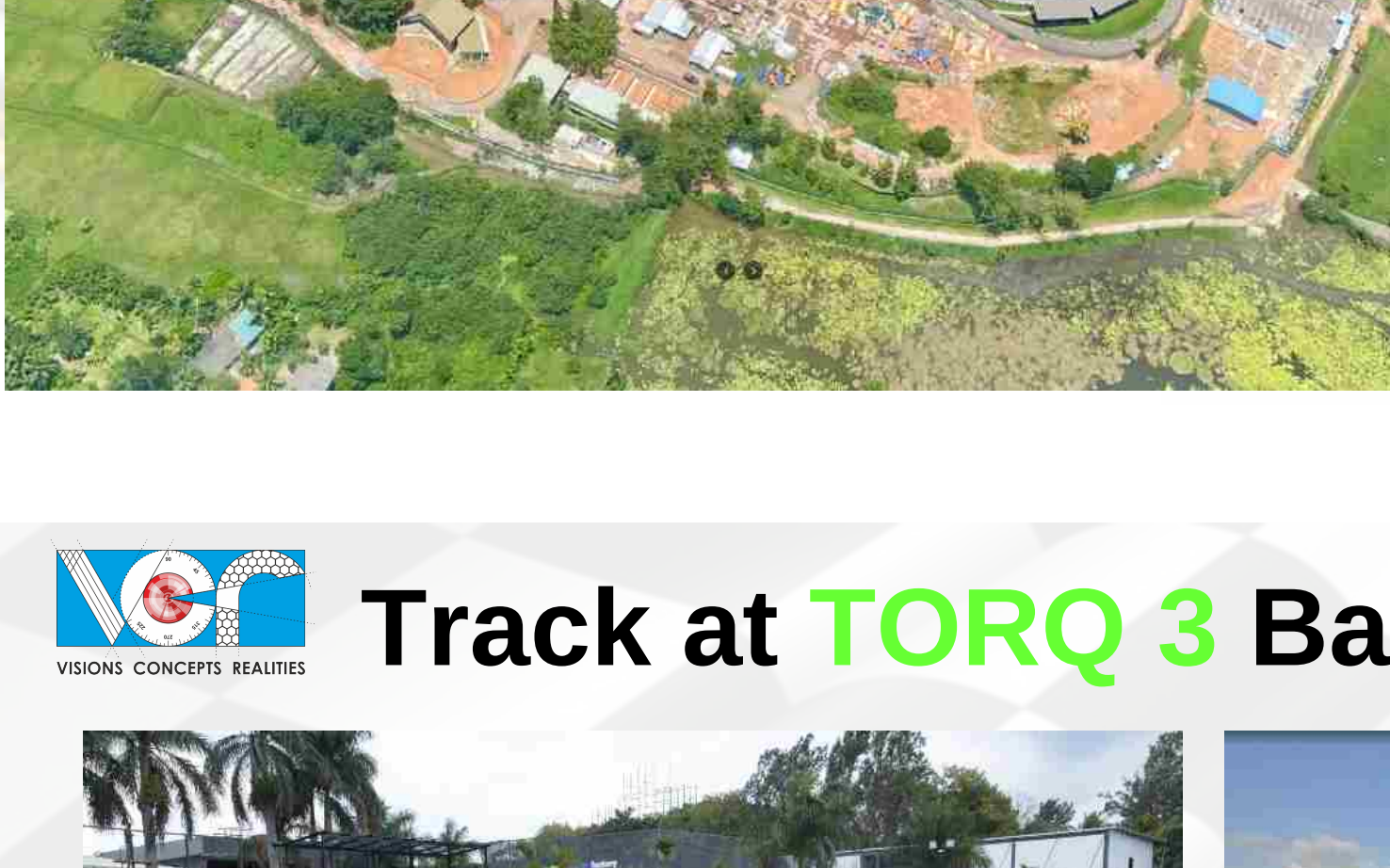
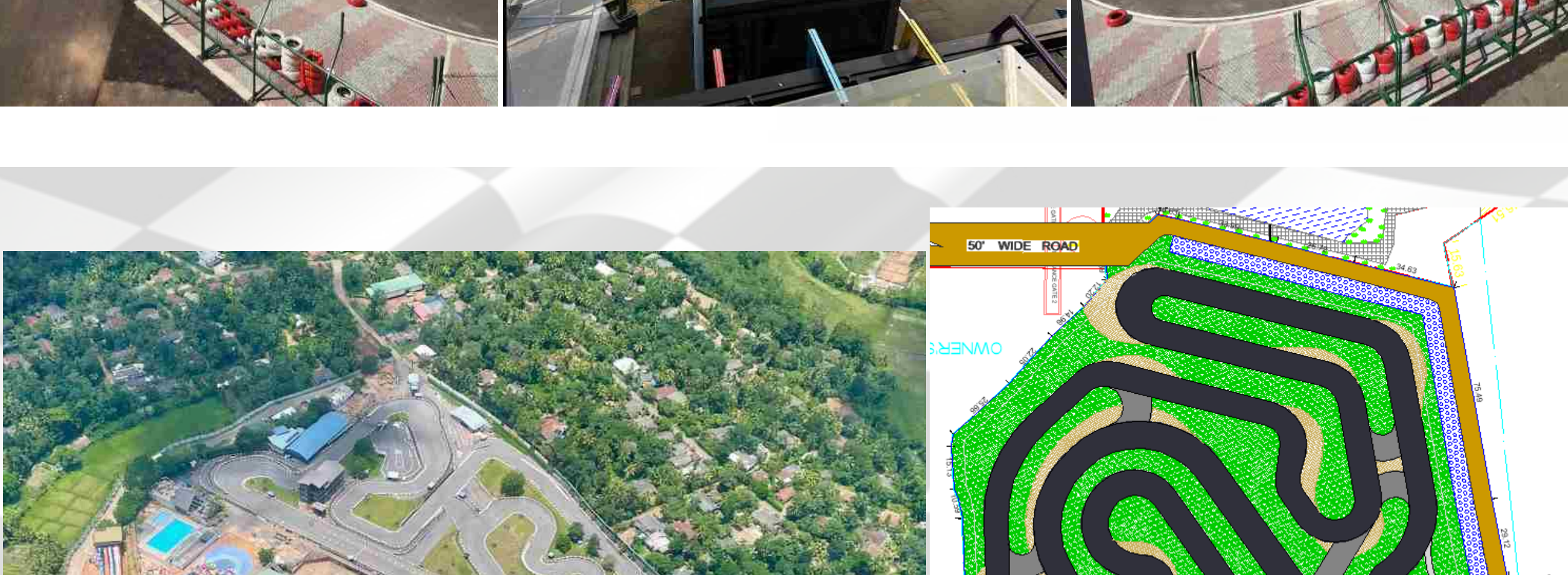
## Some of the Tracks Designed



**Track Infrastructure:** Go-Kart tracks are more than just the asphalt surface; they require comprehensive infrastructure. The science behind track infrastructure encompasses a range of factors, including lighting systems, drainage systems, power supply, spectator facilities, and pit lane. These factors ensure seamless operations, efficient energy management, and a positive experience for participants and spectators alike.



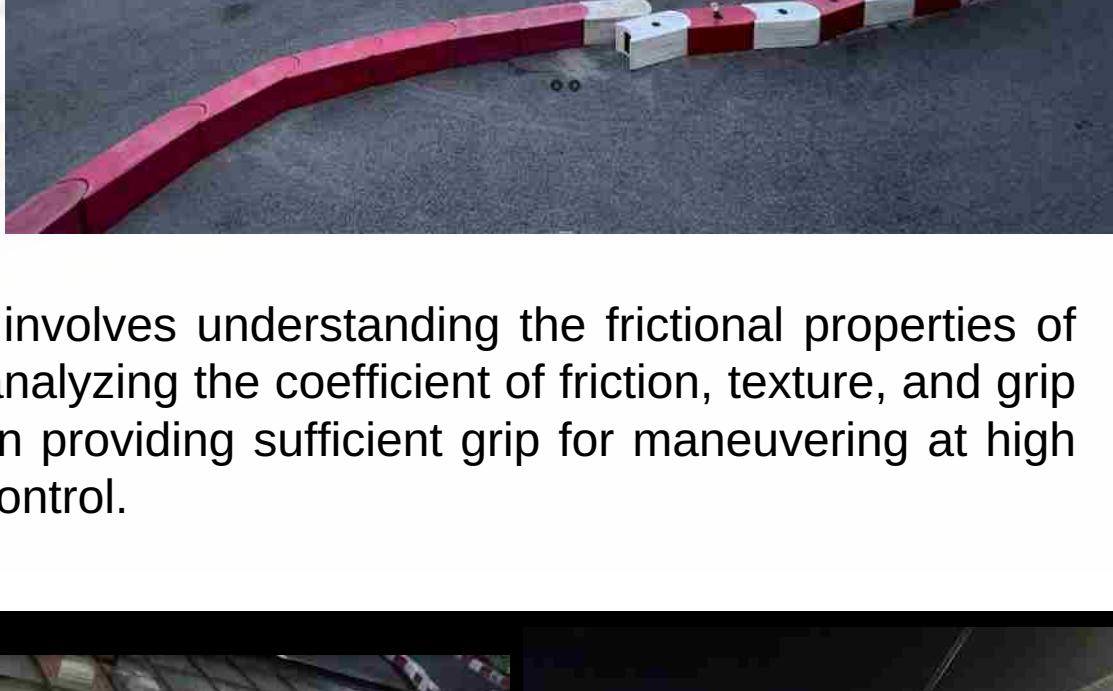
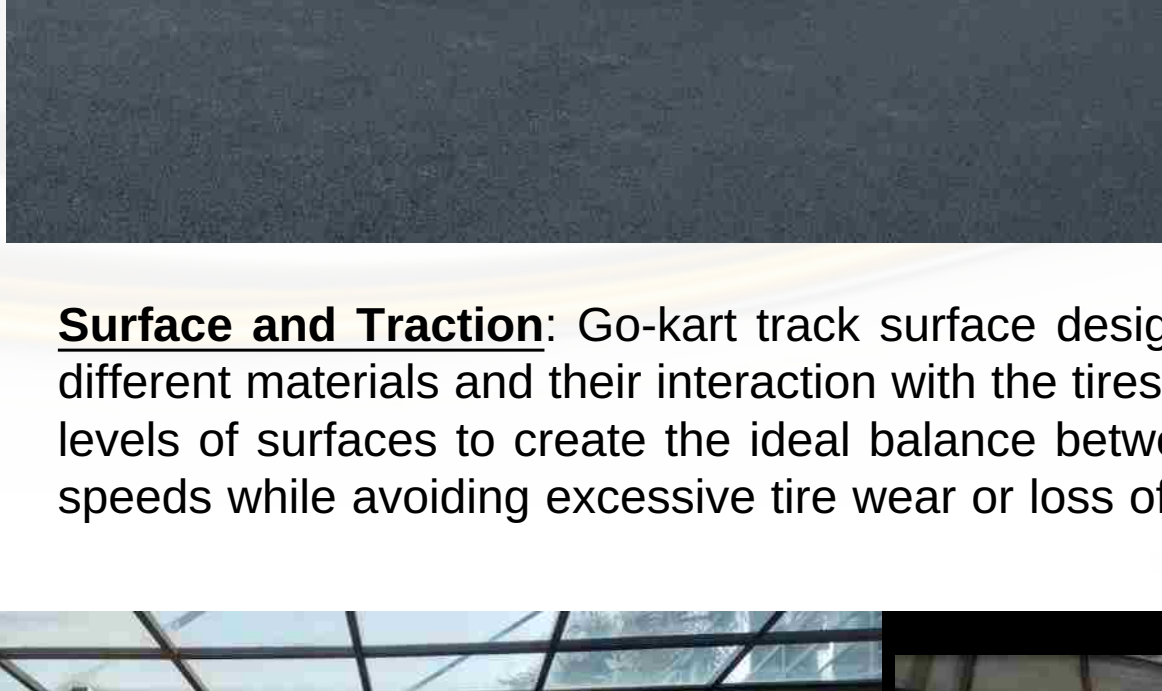
## SRI LANKA KARTING CIRCUIT Bandaragama.



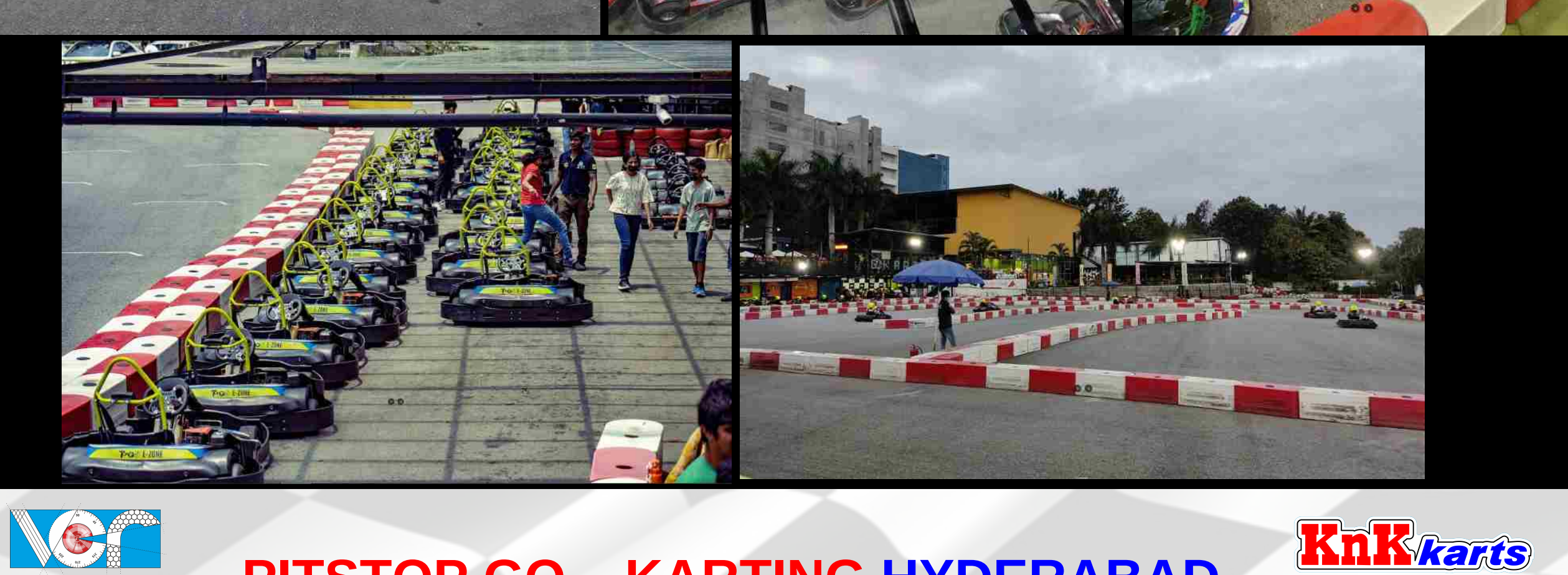
Different shapes and layouts of Karting tracks demands different skill requirements.



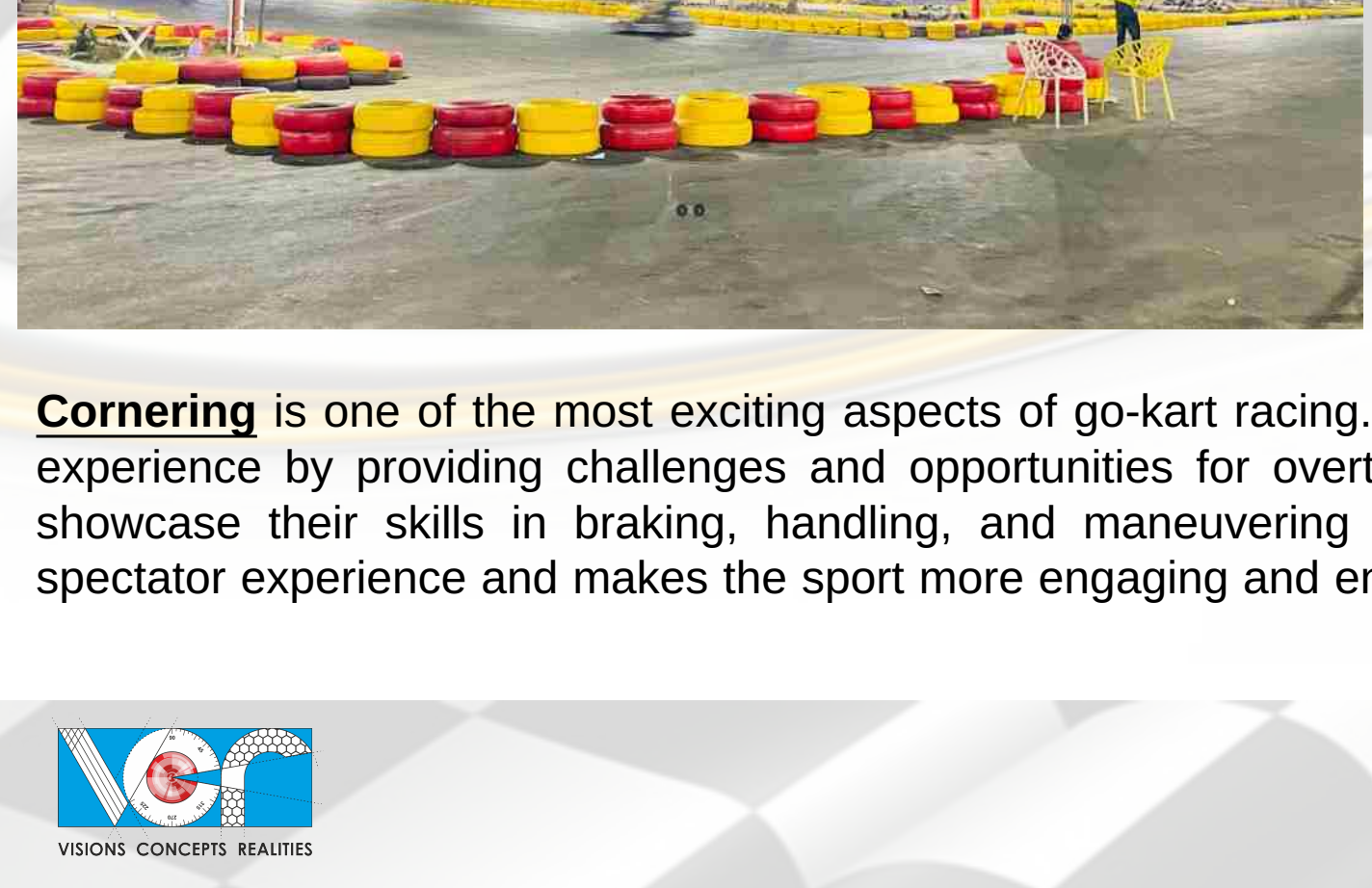
## Track at TORQ 3 Bangalore



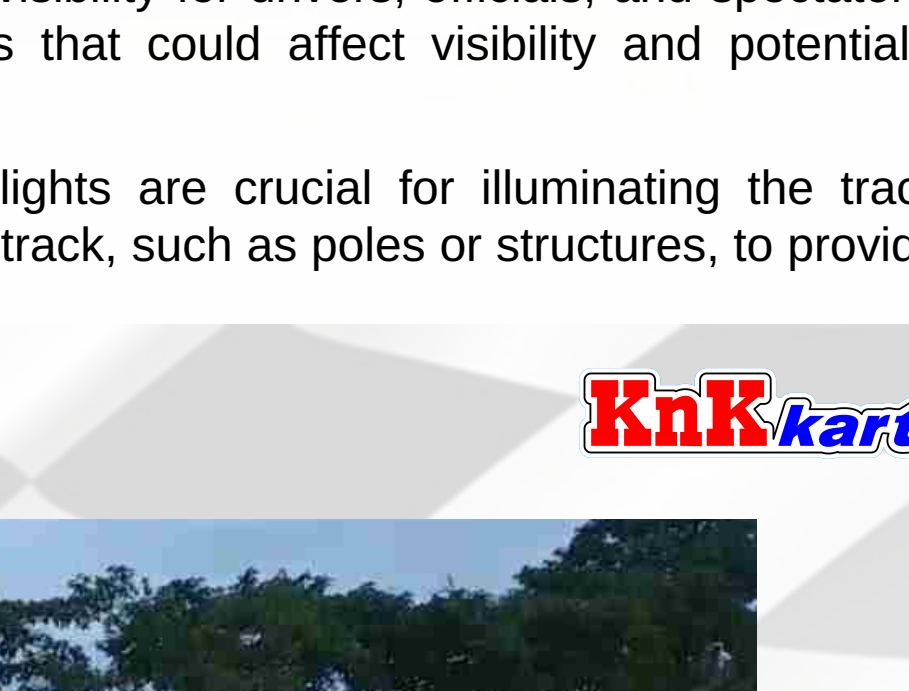
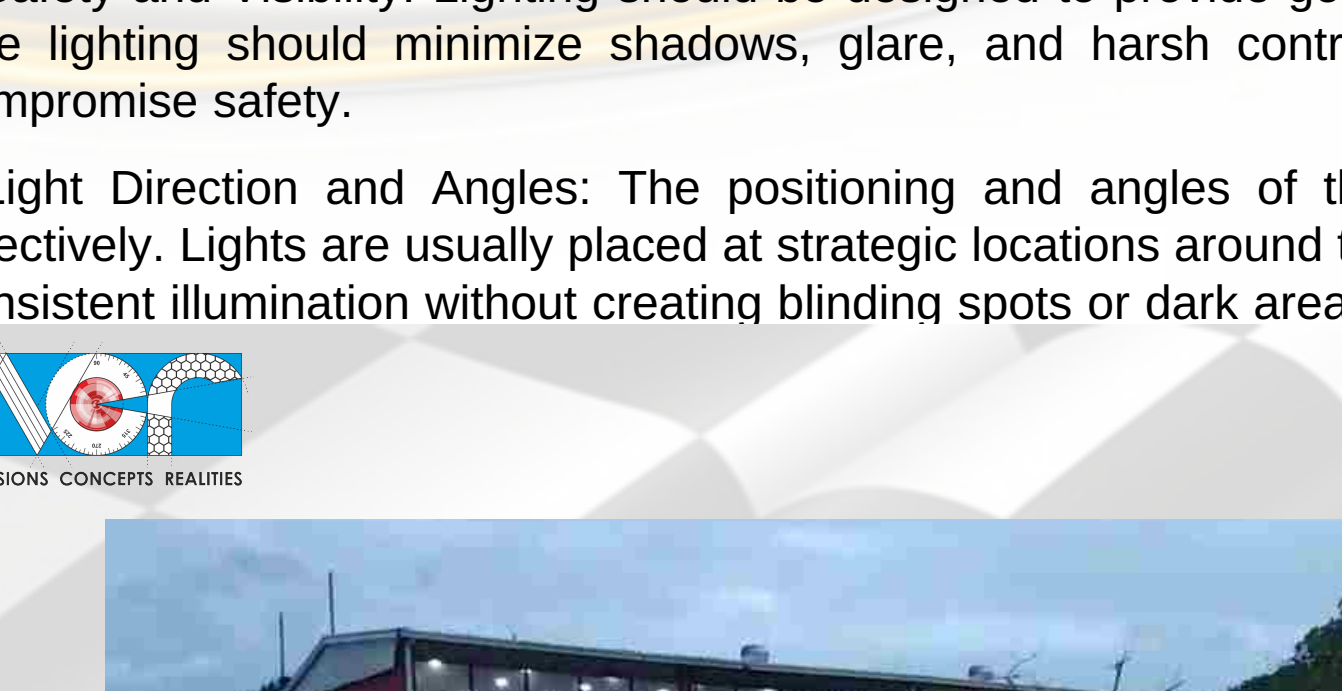
**Surface and Traction:** Go-kart track surface design involves understanding the frictional properties of different materials and their interaction with the tires, analyzing the coefficient of friction, texture, and grip levels of surfaces to create the ideal balance between providing sufficient grip for maneuvering at high speeds while avoiding excessive tire wear or loss of control.



## PITSTOP GO - KARTING HYDERABAD

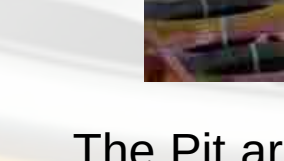


**Cornering** is one of the most exciting aspects of go-kart racing. Well-designed corners can enhance the racing experience by providing challenges and opportunities for overtaking. They create opportunities for drivers to showcase their skills in the handling, and maneuvering through the turns. This enhances the overall spectator experience and makes the sport more engaging and entertaining.



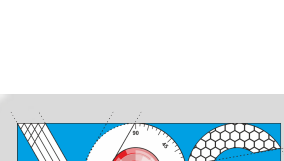
1. Safety and Visibility: Lighting should be designed to provide good visibility for drivers, officials, and spectators. The lighting should minimize shadows, glare, and harsh contrast that could affect visibility and potentially compromise safety.

2. Light Direction and Angles: The positioning and angles of the lights are crucial for illuminating the track effectively. Lights are usually placed at strategic locations around the track, such as poles or structures, to provide consistent illumination without creating blinding spots or dark areas.

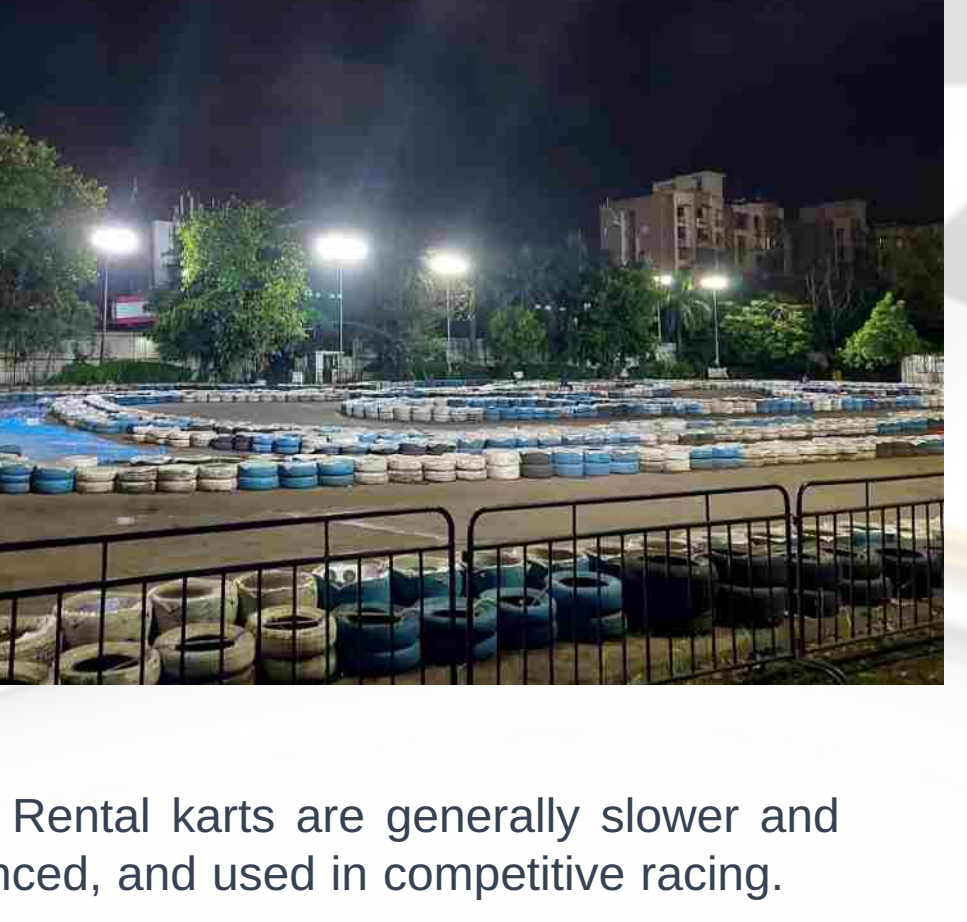


The Pit area typically includes a series of garages or pits where you can work on karts, make adjustments, and conduct repairs. These garages are equipped with tools, equipment, and specialized machinery necessary for maintaining and fine-tuning the Karts.

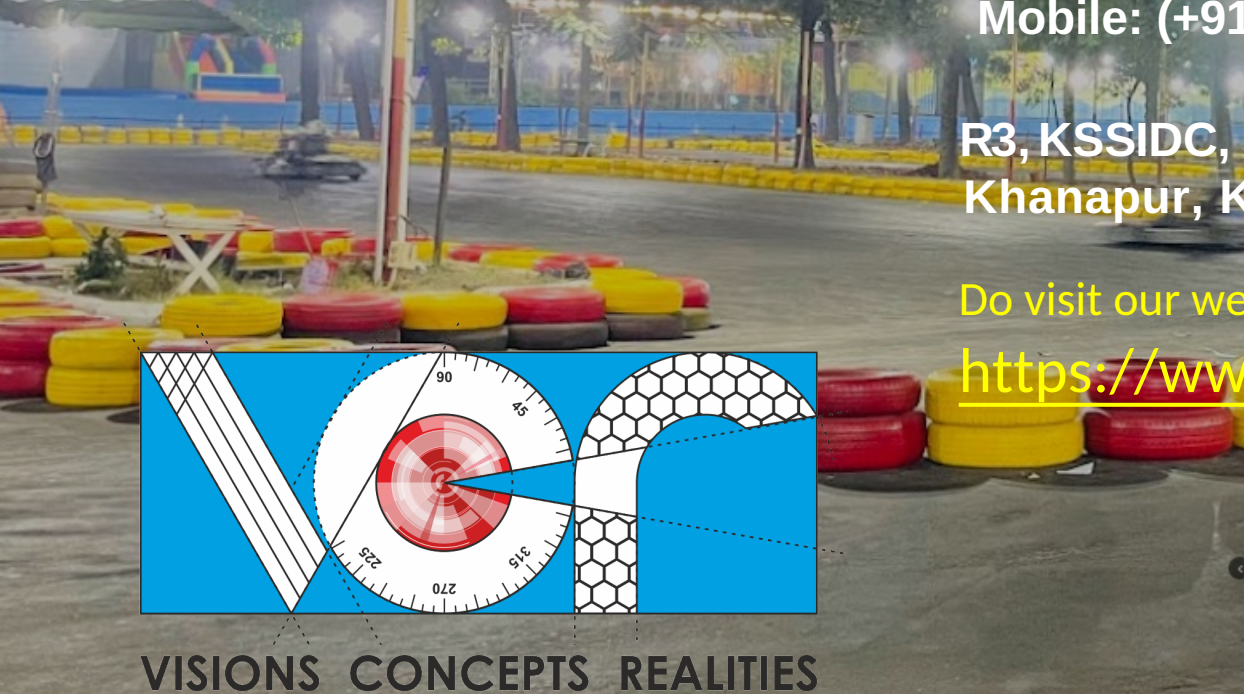
The service block typically Includes: Pit Garage, Office, Ticketing area, Hospitality area, Briefing area, Power and Air supply, Repair and Maintenance area, Tech inspection area, Wash Bay and Storage Facility.



## Ajmera IndiKarting



Though being an eyesore using tires as safety barriers in a go-kart track is a common practice to enhance safety for the drivers. This method helps absorb impact and reduces the risk of injuries during accidents or collisions.



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