

Playground Proposal

Spaceship Theme

3rd February 2021



ويفز للتجارة والمقاولات ك.م.م.
WAVES TRADING & CONTRACTING W.L.L.



2

Let's have a look

1

PARK GAMES EQUIPMENT



PROPOSED TO

SCP BALAKONG

AREA

PLAYGROUND

DO NUMBER

D00131220

DATE

31/12/2020

PREPARED BY

HILMI

PROPOSED BY

RAYMOND

PAPER SIZE

A3



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STRUCTURE PLAY ADVENTURE



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PLAY EQUIPMENTS

1.	CUS-006-A01-00-Hex Spaceship	x1
2.	CUS-006-A02-00-Spaceship	x1
3.	CUS-007-A01-00-Hex Space Adventure	x1
4.	XeOzzum Star 4 Seater (3 belts 1 tot)	x1
5.	2 seater space see-saw	x2
6.	Spring Rider Spaceship	x1
7.	Spring Rider Alien	x1
8.	Spring Rider Planet	x1
9.	Space bowl	x2
10.	Mound 3ft (15sqm)	x1
11.	Climbing Grip	x20

FLOORING

1.	EPDM	322 sqm
COLOUR		BRIGHT YELLOW (GLOW), BRIGHT RED, NAVY BLUE, BLACK, LIGHT BLUE, BEIGE, BROWN & EGGSHELL



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Safety Flooring

EPDM Area Size:

322 sqm

Colour:

Bright Yellow,
Bright Red, Navy
Blue, Black, Light
Blue, Beige, Brown &
Eggshell



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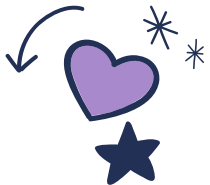


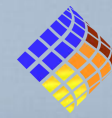
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About **Park Games Equipment**





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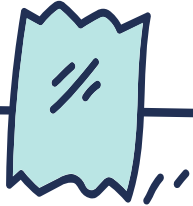
For 25 years
Park Games Equipment
has always focused on making the **BEST**
playground possible

”



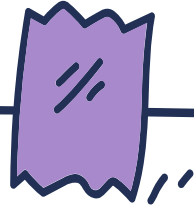


What differentiates PGE from the rest?



A Brand You Can Trust

PGE has been around for 25 years and have been producing international standard products with long term track record exporting to countries such as Japan, Singapore, Thailand, UAE, Qatar, Oman, Philippines and many more prestigious projects in countries worldwide.



International Standard Certified Products

All PGE products are designed to the highest safety, play value, and best quality equipment in compliance with international safety standards; EN 1176: TUV of Germany, ASTM of USA and Quality Management System of ISO9001:2008.



Tested, proven & still the preferred brand

PGE has products installed in the Middle East under harsh condition weather for more than 10 years and playground hit by tsunami in Japan with only a piece of plastic damaged, but they are standing strong still up till today. PGE products is built for a peace of mind.





PGE Products

Bigger, Better

First and foremost **our products are bigger than our competitors**. It is hard to tell from CAD drawings, here are some specifications on size for our VTX range:

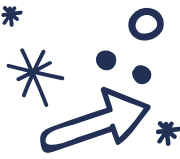
- Deck / Platforms: width 37" (940mm)
- Pillars: diameter 4-1/2" (114mm)
- Spring: outer diameter 6-1/2" height 16"
- Slide: internal width of 17"

Compare this with our competitors and you will see that PGE products cost more because you get more. All this adds up to give our products its unique "fuller" and "bigger" feel. Needless to say, our equipment would also accommodate more children.

Stronger, Sturdier

Most of our competitors purchase their rotomolded components from a few generic suppliers which is why they all have a similar feel, look and weight.

PGE manufactures our own components hence it is unique and we are in control of the material used, making PGE's rotomolded components the thickest which installers say they are twice the weight and highest UV protection in Malaysia and probably internationally as well.



Some of our projects

We create nurturing play environment, comprising of high play value and quality equipment in compliance with international safety standards.

We take absolute pride in our Research & Development to ensure all products are thoughtfully designed and created to enrich the lives of little children, teenagers and adults by promoting fun-filled healthy lifestyle, around the world.



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**S2 Heights,
Rimbun Harmoni**

IJM Land Berhad



Legoland Theme Park

IDR Assets Sdn Bhd



**East Lake
Central Park**

Tropicana Corporation
Berhad

Gamuda Gardens Central Park

Gamuda Land Sdn Bhd



Garden International School



28 Dutamas

BT Homestead
Development
Sdn Bhd



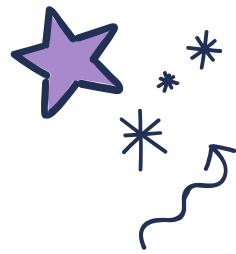
Safety Standards and Warranty

PARK GAMES® provides warranties on all materials and workmanship for one year, excluding vandalism.

In addition, PARK GAMES® offers:

- Lifetime limited warranty on all Aluminium Post
- Lifetime limited warranty on all Stainless Steel Hardware
- 5 years limited warranty on Direct Bolting System
- 5 years limited warranty on all Galvanized & Powder Coated Components
- 5 years limited warranty on all Rotationally-Molded Components
- 5 years limited warranty on Platisol Coated Components
- 3 years limited warranty on Ropes, Moving Parts, Swing Seats and Springs

This warranty does not include any cosmetic issue. To the extent permitted by law, these warranties are applied in lieu of any other implied or expressed warranties or representations by any person, including warranty of merchantability or fitness.



Product Liability Assurance

Park Games Equipment (PGE) has the extensive Product Liability Assurance coverage in the amount of RM500,000; another initiative by PGE to further protect customers and end users.



**PRODUCT LIABILITY
ASSURANCE**

Park Games Equipment (M) Sdn Bhd has the extensive Product Liability Assurance coverage in the amount of MYR 500,000.00. Another initiative by PGE to further protect our users and clients.

POLICY NUMBER
D1&LPRL8708157KL

RHB Insurance Berhad
(38000-U)

LIMIT OF LIABILITY
MYR 500,000.00 any one claim or for all claims made under the policy

EXCESS
MYR 5,000.00 on each and every claim

For further enquiries, contact our Customer Service Representative at:
Tel: +60 (3) 74910278 or Email: info@parkgames.com.my

8012

Certification & Product Assurance



Malaysia Good Design Mark



EN1176:TUV of Germany



SIRIM

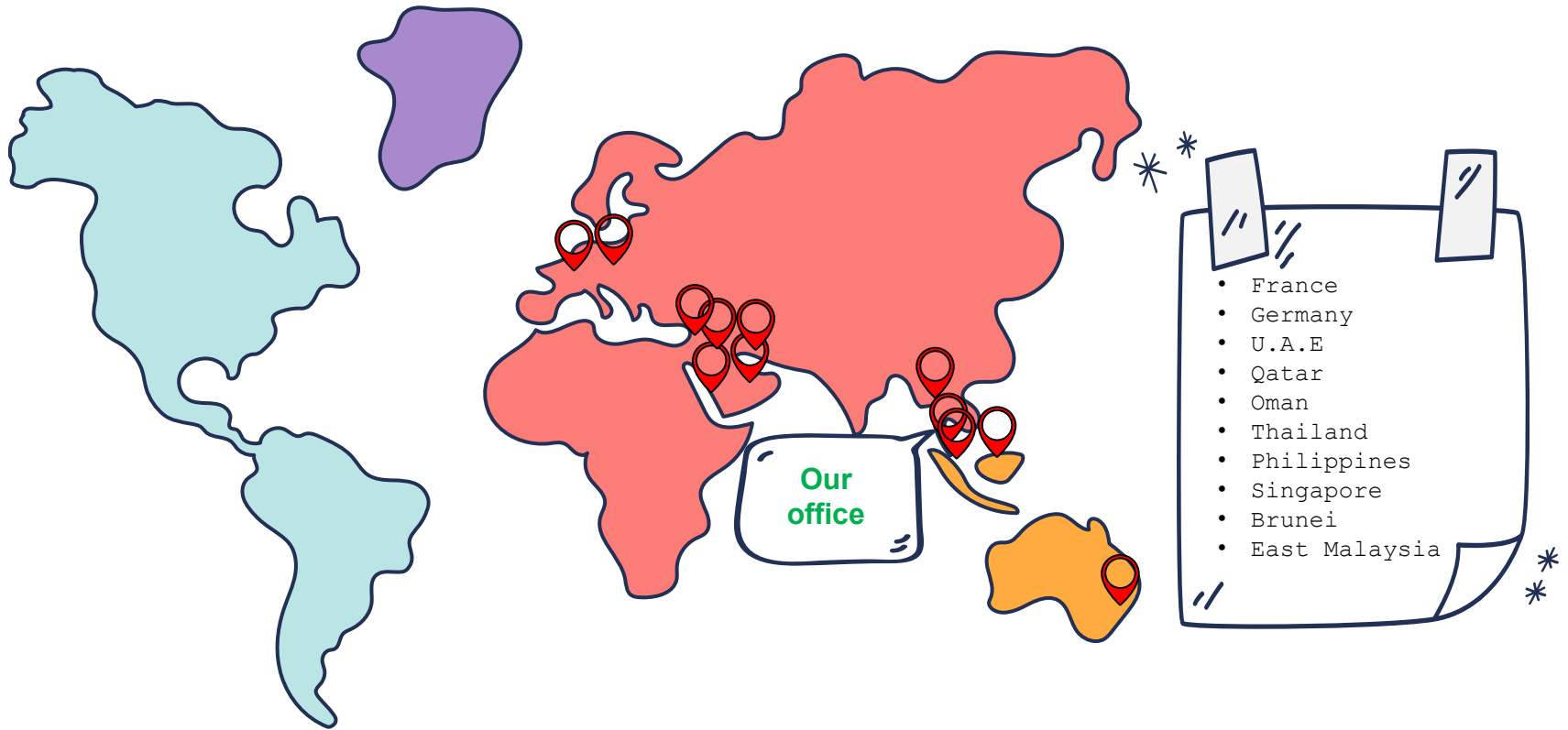


ISO





Our Global Partners





Thanks



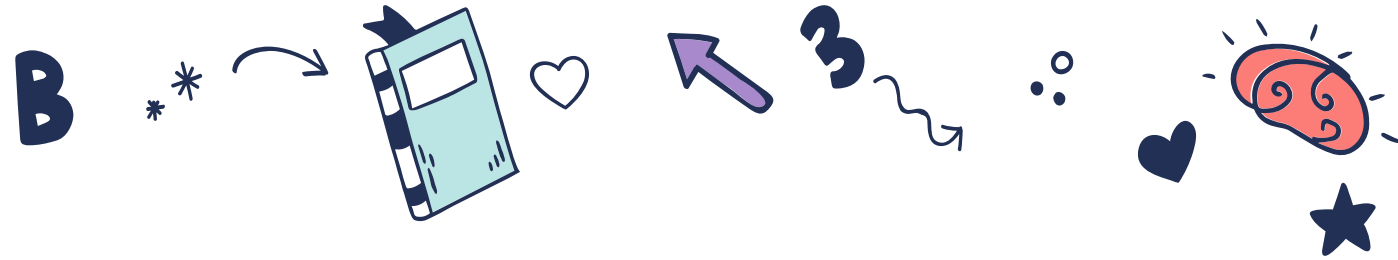
Contact Us

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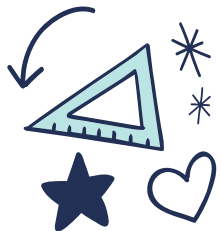
MORE about our product





Material Specification

Let's take a deeper dive into how exactly we make our products



Uprights / Pillars

As these pillars are either in the ground or come into direct contact with the ground, it is usually where rust starts. Which is why PGE makes pillars out of Aluminium because it will never rust.

We guarantee it, that's why we even provide a lifetime warranty on this!

Material	Aluminium
Outer Diameter (OD)	88mm (KPC, KPY) and 100mm (KFN, VTX)
Wall Thickness	4mm
Exterior Coating	UV Stabilized Powder Coating
Footing Depth (for in-ground)	600mm
* For high loading applications, steel is used where specification is as listed in Metal column in the next page.	



Metal Components

Paint flaking and peeling off? Rusting patches are a dangerous safety hazard! This is because galvanized surfaces are poor receiver of powder coating hence, it comes off easily. But not with PGE products, PGE do an in-house Zinc-Phosphate pre-treatment after galvanizing which is ideal for powder coat adhesion.

Also all PGE coatings are safe even if kids accidentally swallow some of it. In a recent survey on playgrounds in Penang Island, Malaysia, it was found that most playgrounds tested contains dangerous levels of lead.

PGE products are tested by the German TUV Standards, BN EN 71-3:1995 to be safe from dangerous toxic levels and no lead was detected.



Metal Components

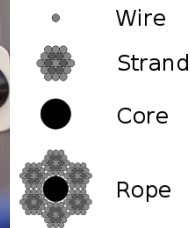
Material	Mild Steel
Protective Coating	Galvanized
Pre-treatment Coating	Zinc-Phosphate
Exterior Coating	UV Stabilized Powder Coating
Powder Coating Thickness	70microns



Rope Components

Nylon or Poly-Amide ropes are the best ropes for playground as they are most resistant to resistant and abrasion. PGE fittings are usually solid aluminium or stainless steel which are hydraulic clamped to ensure the ropes do not fray or snap, and fittings do not open up.

Material	Nylon rope over galvanized steel wire
Diameter	16 & 18mm
Built	6 strand & fibre core
Core	Nylon fibre
Fitting / Connectors	Solid aluminium, stainless steel or nylon
Origin	Imported from Europe



Hardware and Fasteners

PGE usually use M10 (10mm diameter bolts) which is bigger than what most competitors use.

Material	Stainless steel, galvanized steel (where necessary)
Cover	Polypropylene anti-vandalism safety caps



Decks

PGE plastisol coated decks provide a rubberised, non-slip and very durable surface. Much more durable than powder coating and also an excellent impact absorber, making it safer for kids. This coating is also safe if accidentally swallowed.

Material	Plastisol coated 2mm thick steel plate
Standard Square Deck Size	660mm (26") for KPC, 914mm (3-1/2") for KPY, 939mm (37") for KFN
Built	Reinforced with cross metal frame and side walls, with pre-fabricated holes
Protective Coating	Galvanized
Pre-treatment Coating	Zinc-phosphate
Exterior Coating	UV Stabilized Powder Coating
Powder Coating Thickness	70microns



Roto-Moulded Components (including panels)

PGE's roto-moulded components are said and proven to be heavier than our competitors and as a result, it is much more durable and have a much sturdier structure. Also, the colours on the roto-moulded components do not fade even in harsh weather conditions.

Material	Roto-moulded medium high density Polyethylene, UV Stabilized homogenous colour
Wall Thickness	6mm
Tunnel / Tube Slide	Diameter of 760mm (30") or 635mm (25") flat starting section of 380mm (15") and landing area of 500mm (20")
Open Slide	Bedway 430mm (17") width, slide wall 170mm (7"), flat starting section 380mm (15") and landing area of 500mm (20")



Roof

PGE roofs are made with durable UV stabilized 10-15mm thick High Density Polyethylene sheets, at that thickness the sheets will not warp or deform. These roof panels are made to sustain durability even in the toughest climate and condition.

Material	High Density Polyethylene Sheets
Thickness	10mm
Mounting	Galvanised steel frame (please refer to Metal Component)
Open Slide	Bedway 430mm (17") width, slide wall 170mm (7"), flat starting section 380mm (15") and landing area of 500mm (20")



Springs

Spring used on PGE products are made for off-road trucks. It is made by automotive experts hence they are larger in diameter, heat treated to be flexible yet durable giving it a nice, light and bouncy feel that even younger children will have loads of fun playing.

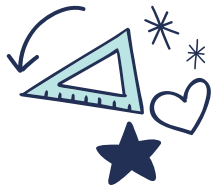
Material	Steel
Measurement	165mm outer diameter coil, 400mm length with nominal 20mm thick steel
Treatment	Heat-treated





Quality

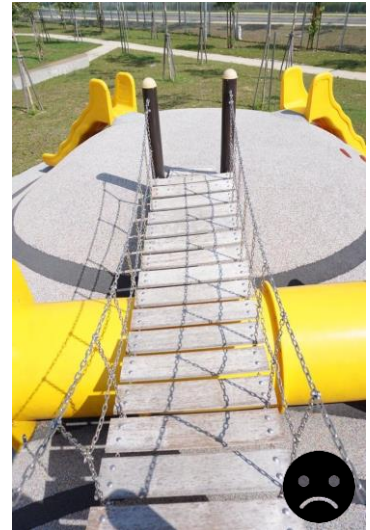
Comparison of a good and poor quality playground equipment



Rope Equipment

Ropes are flexible, steel is solid – hence they alone provide a new and exciting dimension to play. Good quality ropes from Europe are not cheap so we at PGE keep the cost low by buying them in rolls and fabricating the structure ourselves. PGE uses nylon ropes with steel core imported from Europe, PGE use hydraulic pressed solid aluminium or nylon connection.

Our competitor's design look like ropes but are usually just steel bars. Steel is cheap, ropes are not – it's good to know what you are getting.



Springs

Springs are a classic. They provide a rocking motion and are ridiculously fun. Good quality springs should have a large diameter and rod size but made from soft heat-treated steel rods. This will make sure they are both soft and strong which translates to fun and durable.

PGE uses APM springs with a 6-1/2" outer diameter, 16" height and 5/8" thick rod.

Our competitors use...well...see for yourself. Even if they are using springs they are usually small and stiff, they are no fun to play with.

