

FACT SHEET ON SINGAPORE SPORTS HUB

Site Design

The primary driver of the Singapore Sports Hub is the determination to achieve sports functionality of the highest, international standard. Five major sports venues anchor the master plan; the new National Stadium, the Aquatic & Leisure water Centre, the Multi-Purpose Indoor Arena (MPIA), the Singapore Indoor Stadium and the new Watersports Centre next to the Kallang Basin. Each of these five major venues has been designed for maximum flexibility in use, to support the widest variety of events, throughout the year. They can be used to host world championship sporting events, as well as everyday leisure use.



The National Stadium

At the heart of the development is the new National Stadium. As the centre piece of the Hub, the new 55,000-capacity National Stadium is strategically orientated towards the waterfront and city skyline beyond, creating a powerful dialogue with the urban context. Functionally, this state-of-the-art venue provides a flexible and multi-functional world-class sports facility for international athletics, football, cricket, rugby and major spectacular events, including the National Day Parade. Enabling this versatility is the integration of retractable seating, allowing reconfiguration of the stadium's bowl to provide appropriate sightlines and viewing distances for various sports and non-sporting events. Designed to provide the highest quality of environment for athlete and spectator alike, the new National Stadium, with its retractable roof and localized comfort cooling technology will represent the next stage of evolution for environmentally sustainable stadium design.



The Aquatic Centre & Leisure Water

The Aquatic Centre & Leisure Water Centre are designed to cater to elite athlete training and competition as well as general public recreation and enjoyment. These two venues have been planned in close proximity to create greater synergy for the locale. They are a destination for swimmers allowing full accessibility to each of these facilities by athletes and public daily, and even during major competition events. Comprising of a 50m competition pool, a 50m training pool and a diving pool 5m in depth, these pools meet FINA standards and regulations, and are suitable for hosting swimming, water-polo, diving and synchronized swimming events.

Internally, the Aquatic Centre's roof has also been designed to ensure an excellent standard of daylight, natural ventilation and overall quality of environment.



Multi-Purpose Indoor Arena (MPIA)

The MPIA, located on the east end of the site, has been designed with the key principles of flexibility, modularity and scalability in mind. The halls may accommodate an array of indoor sports events such as badminton, fencing, silat, wushu, gymnastics training, table tennis, shooting and cue sports. Organised as two multi-purpose modules flanking a central public atrium, the complex allows simultaneous usage of the six sports halls with minimal interruption to key sport's training schedules. Furthermore, controlled, natural daylight and a mixed mode ventilation system will also be provided; offering the option of either air- conditioning for competition events, or a low energy, natural ventilation system for everyday use.



The Water Sports Centre

The new Water Sports Centre will engage dynamically with the waterfront, bringing life and vitality with various watersports such as kayaking, dragon boats, canoeing and rowing. Community water sports facilities are combined and integrated with elite training and racing programmes, to give spectators and athletes a sense of excitement and engagement along the 500m regatta course, culminating with a finish line situated in the heart of the new urban realm.



Singapore Indoor Stadium (SIS)

Besides the creation of new sporting venues, the new Sportshub also plans to integrate the existing sporting icon, the Singapore Indoor Stadium, as a key venue within the hub. This facility will continue to operate as an indoor event space for major indoor sports events performances and concerts. New linkages as well as institutional programmes are organized around the SIS, to facilitate better connectivity with the rest of the development, and generate more activity within.



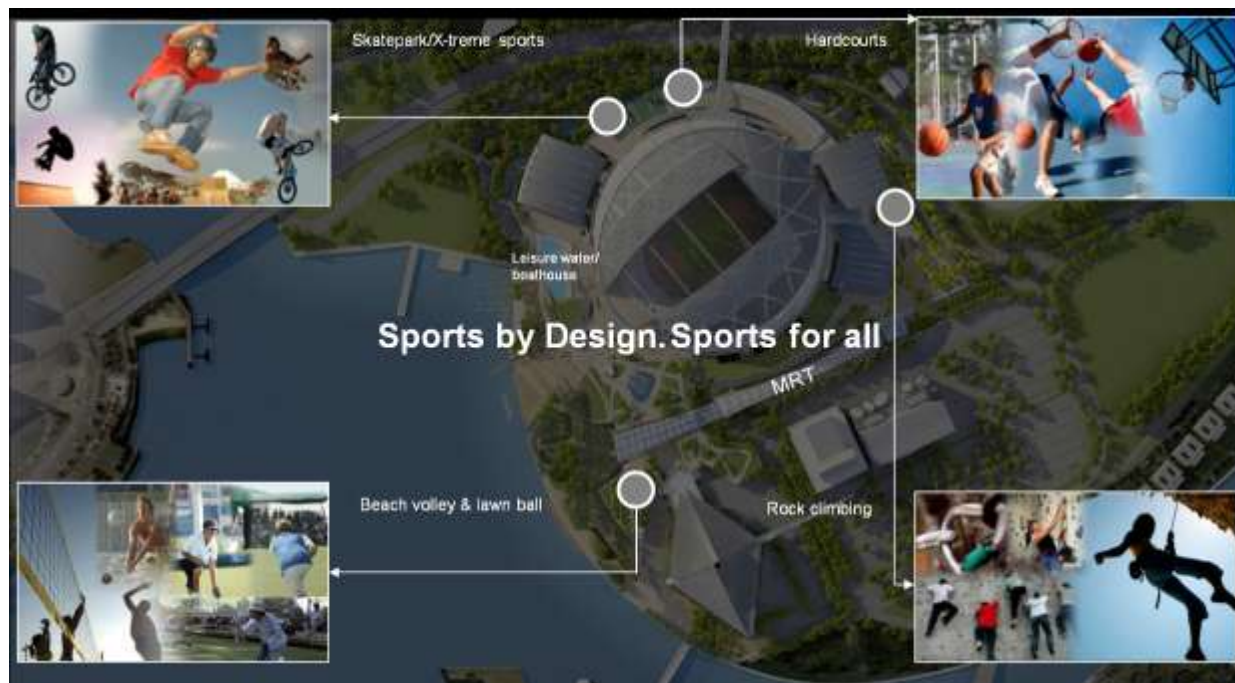
Sports Promenade

On non-event days, the Sports Promenade is conceived as a lively venue, overlaid with various event spaces and programmes, such as a jogging routes, skate park, sports courts, and retail and/or food and beverage outlets. As a shaded and rain-protected tropical space, it offers a cool and well-accessed environment for events along its length. Around the stadium along the promenade, public will get to enjoy the sights at the Aquatic Centre, MPA, the retail roof terraces and various community sports venues -- they will also enjoy the magnificent view of the Kallang Basin and Singapore's skyline in the bustle of the multitude of civic events.



Community Facilities

A host of other sports and recreational facilities are also provided and integrated within the network of the Sports Hub, to cater for the widest spectrum of users possible. These programmes include beach volleyball, rock climbing wall, basketball hard courts, Skate Park and lawn bowl. Together, this assemblage of sports functionalities, both for elite and leisure sports users, epitomize one of the key ambitions the new Sportshub set to fulfill. That is, its fundamental role as the preferred sporting hub for an international, regional, and national audience.



Sports Hub is Eco-Friendly

The Sports Hub is not designed to be only “green in look, but green in heart”. With the introduction of innovations in conservation, energy and waste stream management that will place the Sportshub at the forefront of other sporting facilities around the world.

The Sports Hub has been designed to maximize amount of open spaces and promote natural ventilation between buildings. Extensive landscaping is carried out throughout the site by integrating greenery and restoration of existing site trees. Most of the accessible roof areas have been designed with planting to provide quality environments and help reduce solar gain of each building. In addition, a bio-swale is proposed to filter the run-off before it is discharged back into the basin.



SportsHub Pte Ltd (SHPL) Fact Sheet and List of Consortium Members

The following table represents the main partners involved in SportsHub Pte Ltd. There are a number of levels of service provider partners and specialist consultants that each entity has included within their teams.

SportsHub Pte Ltd	
Lead Partner	Dragages
Equity Shareholders	Dragages
	HSBC
	United Premas
	Global Spectrum
Architect	ARUP Sport
	DP Architect
Construction	Dragages
Facilities Management	United Premas
Programming & Events	Global Spectrum
	World Sport Group

Main Partners of SHPL

SportsHub Pte Ltd (SHPL) is a company with four equity partners – Dragages Singapore Pte Ltd, HSBC Infrastructure Fund III, Unite Premas Ltd, and Global Spectrum Pico Pte Ltd.

Dragages Singapore Pte Ltd is an engineering and construction company active in Singapore since 1984. Dragages has been involved in many large scale infrastructures and developments in the Republic, including the Pontiac Marina complex and the Fullerton Hotel. The company is wholly owned, and supported for the purpose of this project, by Bouygues Construction based in France. Bouygues Construction has been involved in more than 30 PPP projects worldwide and has developed significant expertise in the development and operation of social infrastructures. These include the Stade de France in Paris and the Asia World Expo in Hong Kong. Dragages will act as leader of the Consortium, will underwrite the design and build responsibility for the facilities and will participate in the operations.

HSBC Infrastructure Fund III invests globally in greenfield infrastructure projects, with a focus on Public-Private-Partnerships. It is managed by HSBC Specialist Investments, which is the infrastructure and real-estate equity fund management arm of the HSBC Group.

United Premas is a leading facilities management company providing end-to-end property services across multiple vertical sectors in the region and will take a leading role in the operations and the asset life-cycle management of the facilities. United

Premas services include corporate real estate, technical O&M, space management, capital asset life-cycle services, energy management and procurement, property management and Facilities Management for commercial, industrial, retail, residential, township, institutional, sports, entertainment and other facilities. United Premas is a subsidiary of UGL Limited (UGL), a top-100 company listed on the Australian Securities Exchange.

Global Spectrum Asia Pte Ltd, together with parent company, Comcast Spectacor from USA, has significant expertise and experience as facility owners and operators, and is one of the fastest growing venue management firms in the world. The company has proven resources worldwide that it can utilize for the benefit of its clients in the areas of entertainment, sports, conventions and meetings. Comcast Spectacor owns the Philadelphia Flyers of NHL and the Philadelphia 76ers of NBA. In 2009, Global Spectrum hosted 11,000 events at the 90 facilities it manages worldwide.

World Sport Group, headquartered in Singapore, is Asia's leading sports marketing, event management and media company, with a roster of golf, football and cricket events across the entire region. World Sport Group has been at the forefront of Asian sport since 1992, managing almost 450 days of sports events annually, across more than 30 countries in the region.

ARUP was founded in 1946 as an independent consulting engineering practice by the Danish engineer and philosopher Ove Arup. Today, it is one of the largest and most successful international design consultancies in the world, with over 9000 staff based in over 80 offices in more than 40 countries. Arup has been in Singapore since 1968, and has developed a diverse practice through a wide range of projects for public and private clients. Recent projects undertaken in Singapore have been highly visible on the Singapore skyline. These include the Singapore Supreme Court building, the Singapore Flyer, the new Marina Bay Sands Integrated resort and works to the Downtown Line Extension.

Founded in 1967, during Singapore's new found sovereignty, Design Partnership started with mere staff strength of 18. In 1975, Design Partnership was re-incorporated as **DP Architects Pte Ltd (DPA)**, and has since established ourselves as a firm founded with a deep concern for the built environment and the need for a conscious effort towards creating architecture of excellence where the enrichment of the human experience and spirit are reflected in both its planning and architectural work.