



SENTOSA GOLF CLUB
SINGAPORE

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MEDIA RELEASE

Sentosa Golf Club unveils The New Tanjong *Club now offers two unique and differentiated golfing experiences*



Singapore, 19 November 2016 – With the completion of its redevelopment, Sentosa Golf Club's (SGC) New Tanjong Course will progressively open for play from 26 November 2016, with its full opening scheduled for February 2017, announced the club at the soft-opening of the New Tanjong Course today.

Featuring an iconic experience set against the Singapore Straits with panoramic views of metropolitan Singapore, the New Tanjong Course will assert a unique personality with large sandbelt bunkers rarely seen in Asia, offering players the challenge of playing on a course with modern hints of inspiration resembling the style of renowned golf course architect Alister MacKenzie.

In addition, apart from the enhanced golfing experience, environmental sustainability is a hallmark of the redeveloped course, with several green initiatives implemented to conserve and re-use resources. These include a special temporary nursery to facilitate the relocation of more than 300 trees during the redevelopment, installing six reservoirs-cum-water features to ensure that the New Tanjong Course is self-sufficient in irrigation, re-using concrete from old cart paths, and re-using the

fairways' sand cap and greens mix, among various initiatives. (Please see Annex A for more information).

Today, the redeveloped 18-hole Par 72 course is home to unique hole layouts, water features and the hardy 'Zorro Zoysia' grass on its fairways, ensuring the rigorous conditioning required to host international championship tournaments. Among the various highlights golfers can enjoy on the New Tanjong Course is the panoramic view of metropolitan Singapore at Hole 4, where golfers must play an accurate shot to the green as there is no bailout area. The majesty of the MacKenzie-inspired bunkers is also in full view at Hole 9, a long and challenging uphill par-four. A large fairway bunker surrounds the large landing area, providing a deceiving green with an illusion that is closer than golfers may realise (Please see Annex B for hole-by-hole description).

The made-over 42-year-old course also addresses several potential issues associated with older venues. Like other golf courses in the region, Tanjong has had to withstand the vagaries of a tropical climate, with such weather conditions typically allowing a golf course to have a lifespan of about 20 to 30 years. Despite smaller-scale upgrading efforts over the years, the old Tanjong course's infrastructure faced challenges in irrigation, drainage and turf maintenance. The course was thus closed for redevelopment in November 2015, with nine months of construction followed by a three-month turf maturation period.

Some 100 SGC members and their guests had the opportunity to tee off on the New Tanjong Course at a special preview this afternoon, during which they came together to pledge a total of \$50,000 for the beneficiaries of Assisi Hospice & ARC Children's Charity. These inaugural 25 flights of golfers also marked the start of SGC's charity fundraising drive which will culminate at the full opening in February 2017.

"The successful completion of The New Tanjong marks an important milestone in Sentosa Golf Club's vision of being beyond Asia's best. With the New Tanjong Course, SGC now returns to offering two high quality courses, including our award-winning Serapong Course. Each offers a distinct golfing experience with differentiated features such as bunker sizes, and golfers will have a 'happy dilemma' in choosing which one to play on. We are proud to lay claim to another world-class venue, and provide further opportunities for Singapore to host international golfing tournaments," said Mr Low Teo Ping, President of Sentosa Golf Club.

Meanwhile, to allow the New Tanjong Course time to mature, SGC will offer limited games and put in place longer intervals between flights until the course is officially open in February 2017.

- Ends -

ABOUT SENTOSA GOLF CLUB

One of the most established golf clubs in Singapore, Sentosa Golf Club has about 1,500 members, many of whom are prominent personalities. It hosts the SMBC Singapore Open, where international star players and world-class golf professionals from Asia, Europe and the USA descend on its championship greens to putt for the prize purse of Singapore's national tournament. The Club is also home to the HSBC Women's Champions, a marquee women's golf event that has been dubbed as "Asia's Major". Offering more than just a good game of golf, the Club also has excellent meeting and banquet facilities for corporate networking as well as high-end dining options such as the quintessential Japanese cuisine at the Sushi Kondo Restaurant.

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New Tanjong Course
Green initiatives at a glance

NO	Description	Total Quantity
A. Sands		
1	Fairway sand cap salvaged and reused	394,000m ²
2	Greens mix salvaged and reused	4,000m ³
B. Trees		
1	Palm trees relocated	268 nos
2	Hard wood trees relocated	46 nos
3	Ficus trees saved/relocated	20 nos
C. Turf & Landscaping		
1	Zorro Zoysia grass (fairways) propagated and planted in-house	50,250m ²
2	Platinum TE (tees) propagated and planted in-house	15,700m ²
3	Sparina landscape areas propagated and planted in-house	300m ²
D. Water Capacity		
1	Volume of water before construction	87,000m ³
	Volume of water after construction	120,000m ³ (up to 3-4 months' supply)
E. Ancillary Works		
1	Cart path ground re-used for base	24,100m ²
2	Roof tiles salvaged and re-used for 'Pyramid'	660m ²



Above: The contractors undertook a careful earthworks management regime in the early phases of construction, salvaging valuable fairway sand and greens mix.

The New Tanjong Course today not only drains well, it is also set to be a blueprint of golf course construction for many to take note of and follow, with the efficiency of conservation in existing features, soils and resources.

1. Fairway Sand Harvesting

As part of Sentosa Golf Club's (SGC) value engineering and green initiatives, the club harvested the existing sand from underneath the fairways of the old Tanjong Course to re-use on the New Tanjong Course.

This existing sand on the old Tanjong had remained very high quality and served to provide good drainage for the golf course, particularly during heavy rain and inclement weather conditions.

SGC and its contractor mapped out an earthworks management plan to remove the existing sand cap, stockpile it, and once the grade (foundational) work was completed, return this sand. On a whole, between 0.45m to 0.6m of harvested sand was re-used in each of the fairways of the New Tanjong Course to facilitate drainage during wet weather conditions.

This, coupled with the rigorous infrastructure and network of drainage systems, could make New Tanjong Course one of the best-draining golf courses in Asia.



Above: Valuable greens mix and fairway sand were harvested and stockpiled to be re-used once the new golf holes were ready for shaping.

2. Greens Mix Harvesting

On top of reusing the sand cap on the fairways, SGC also reused the greens mix on the greens. This is the layer of sand mix underneath each golf green and arguably the most valuable asset of any golf course. A good greens mix will ultimately determine how well the golf greens (in SGC's case, the TifEagle turf) will grow, develop and mature, as well as how well-suited their surfaces are for close mowing and future golf play.

Before the redevelopment, the old Tanjong greens had already been well-regarded in Singapore as the best greens in the country. SGC's plan was therefore to harness and harvest the existing winning greens mix; and re-use it under all the greens of the New Tanjong Course.

Resource stockpiling of the existing greens mix layer was done during the construction phase. The contractors removed the existing turf layer and undertook a highly-thorough earthworks management exercise to excavate the valuable greens mix and stockpile for later use on the New Tanjong Course.

Except for the tee boxes, no sand had to be imported for the New Tanjong project. SGC was able to save on the overall project costs and re-use our winning sand cap and greens mix, while improving drainage and maintaining great playability even in wet weather conditions, making the New Tanjong Course a more user friendly facility.

3. Re-use of concrete sub base for new golf cart track

Putting waste to good use, SGC set aside a crushing yard at the base of the 'Pyramid' hill and implemented a system of demolishing, stockpiling and subsequently machine-crushing the old Tanjong course's concrete cart paths.

The crushed material was later re-used as the base aggregate for the New Tanjong Course's new cart paths.





Above: Ficus Kerkhovenii. This signature "elephant trunk" ficus tree is indigenous to Sentosa. It was previously located on the old Tanjong course's 10th hole and now relocated and preserved at the staging area of the New Tanjong Course.



4. Transplanting of Trees

SGC replanted more than 300 existing trees and took bold measures to relocate even some very large Ficus trees.

To retain the overall charm of the old Tanjong course, 20 signature Ficus trees, 46 hard wood and 268 palm trees were painstakingly saved and transplanted onto the New Tanjong Course.

One of these, the signature “elephant trunk” ficus, has since been relocated to the new cart staging area (above picture).

With the new grade levels and tree relocations on the New Tanjong Course, fabulous vistas have also opened up on the course – especially from the elevated tee positions at the ‘Pyramid’ which feature panoramic visual sweeps of the ocean and the cityscape. Golfers can now see into Singapore’s central business district, the Southern Islands and over the SGC Clubhouse out to the Singapore Straits. It is a stunning panoramic view that is a must see, complementing the golf.



Above: The old Tanjong course was home to a few large grooves of mature trees. These areas were safeguarded in the design and routing of the New Tanjong Course.



Above: A special nursery space was set aside on the project site to facilitate the relocation of 268 palm trees



5. Reuse of SGC Roof Tiles

SGC salvaged and re-used the existing roof tiles at the now-demolished outdoor cart barn and golf academy buildings for the roof of the renovated Pyramid halfway house during its renovation works in late 2016.

6. Self-Sufficient Water Resource

One of the key objectives of the Tanjong redevelopment has been to ensure that the New Tanjong Course, when completed, is self-sufficient and possesses adequate water for the irrigation of SGC's golf courses.

The new golf course has been designed with six lake bodies. These lake bodies are linked by a 600mm diameter HDPE underground drain pipe, which in turn balances the water table across the lake bodies. The total volume of available irrigation water on the New Tanjong Course is now 120,000m³, as opposed to 87,000m³ prior the redevelopment. This larger supply of water can allow SGC to withstand a prolonged drought situation of three to four months.

The water storage areas have also been designed to include water reticulation systems (water features) to keep the water well-aerated and healthy. The two new water features take advantage of the New Tanjong Course's natural elevation at both the Pyramid and Clubhouse, for pumps to be installed to circulate water to these elevated locations.



7. Grow-in: Turf Propagation and Self-Planting

SGC staff and the contractor were able to apply their agronomic skills to sprig and cultivate new turf for the golf course.

This included new 'Zorro Zoysia' sprigs planted at over 50,000m² of fairways, Paspalum Platinum TE sprigs for over 15,000m² of tee area and Spartina landscaping in designated areas of the New Tanjong Course, using the adjacent Serapong Course's existing plants.

The SGC Agronomy team was responsible for the cultivation of turf and the grow-in process as each hole was completed during the project. The team had to pay close attention to the new 'Zorro Zoysia' turf to ensure that it reached full development in the areas of the New Tanjong Course where it was planted last. The Zorro grass has a very thin leaf blade and extremely dense structure; it looks very similar to rye grass or even bent grass. The successful maturation of this brand new turf at SGC has been a true testament to the agronomic skill and dedication of the SGC team and its contractor.

NEW TANJONG COURSE
HOLE BY HOLE DESCRIPTION:

The New Tanjong Course is uniquely set against the Singapore Straits with views of metropolitan Singapore all round. Inspired by iconic sandbelt golfing experiences, the New Tanjong Course asserts a unique personality with large bunkers rarely seen in Asia, offering players the challenge of playing on a course inspired by the style of renowned golf course architect Alister MacKenzie. With two standout areas at the Clubhouse and historic 'Pyramid' halfway house, the New Tanjong Course will surely evoke fond memories, long after the rounds are played.

Hole 1 par-four, 363 metres

The intention of Hole 1 is to drive your ball over the creek guarding the first landing area to an open fairway shaped by tightly mown swales of 'Zorro' zoysia grass, which hides a low approach to the first green. Towards the left are a cluster of Mackenzie-inspired bunkers shared with the 10th green.

Hole 2 par-four, 335 metres

A drivable par-four if you carry the ball over a collection of three bunkers on the right, which will then roll down towards a small green. However, any attempt that veers left will likely meet with a watery end as the fairway slopes sharp and narrow towards a creek running along the hole.

Hole 3 par-four, 345 metres

Another short par-four with a majestic waterfall in the backdrop, the difficulty of this hole is the approach to an uphill, inverted greensite where the landing zone is imperceptible. Land left and a bunker awaits, and anything short will see the ball roll back down.

Hole 4 par-three, 158 metres

An elevated tee box makes this short par-three a fun shootout. Surrounded by a panoramic view of metropolitan Singapore, the Southern Islands and iconic Marina Bay skyline in the distance, the shot to the green must be accurate as there is no bailout area.

Hole 5 par-five, 507 metres

This first par-five of the front nine is flanked by a long lake feature winding its way up from tee to green. With a narrow fairway to negotiate and an almost full island green that juts out into the lake with three bunkers to its right, it takes a confident shot to approach this hole in two.

Hole 6 par-four, 314 metres

Not dissimilar to the third, hole-six plays up towards the Pyramid with a magnificent view of Mount Serapong in the background. The approach, like hole 3, is towards a raised green protected by two bunkers to make this a fair challenge for the short game.

Hole 7 par-three, 238 metres

The longest par-three on the golf course, it features a creek running down the left towards the green and joins with a lake behind. The safe play is towards the right as a bunker sidles between the green and the creek on the left, especially when the winds pick up around here.

Hole 8 par-five, 481 metres

A short par-five that tests your long game as well as your verve. A large tree is strategically placed in the middle of a very narrow fairway that winds around a lake on the left and dense forestry on the right. The incentive here is to hit it long but place the shot to the left of the tree for any chance to reach the green in two. As the fairway narrows towards the green, even a lay-up with a mid-iron is not an easy task.

Hole 9 par-four, 385 metres

The majesty of the MacKenzie-inspired bunkers is in full view here at this long and challenging uphill par-four. A large fairway bunker surrounds the large landing area to give yourself an opportunity to reach a deceiving green with a false front, giving you an illusion that is closer than you realise.

Hole 10 par-four, 357 metres

Another hole that runs parallel, this time it is to the first. Separated only by a cluster of trees and sharing the same oversized bunker, Hole 10 is a straightforward par-four. However, you need to be accurate on the approach shot to a small green with strong undulation to protect par.

Hole 11 par-four, 409 metres

Fairway bunkers protect the right on this hole, but a decent drive should make that avoidable. The fairway undulates greatly so a sidehill or downhill lie may make the approach to a green that inverts sharply to the left a difficult shot to make.

Hole 12 par-four, 415 metres

Long hitters should take the Tiger line above the tall Ficus tree to a fairly wide fairway for a shorter approach to the green on this downhill dogleg right hole. A waste bunker line all through the left with a green shielded by a small patch of rough in front.

Hole 13 par-five, 488 metres

A dog leg left par-five, the tee shot here is key with bunkers left and right protecting the landing zone. Tee up short for safety or go long and right, short of the bunkers, for a look at the green. A heroic approach could get you there in two but be careful; a deceptively elevated green will skittle overhit shots as it falls away to the back.

Hole 14 par-four, 331 metres

A seemingly simple par-four with a generously wide fairway, the challenge here is to select the correct club and yardage as a bunker just short of the green presents an optical illusion of a hole playing longer than it seems. False fronts compound the difficulty so it is better to be long than short here.

Hole 15 par-three, 184 metres

A tricky par-three with a sneaky green that falls fast towards the water on the left and defended by a large bunker. Pin position on any given day will make the difference here, making shot selection a prime consideration.

Hole 16 par-five, 529 metres

From the back, the tee shot is compounded by a carry over a stream that flows all through to an island green. Two large bunkers cramp a narrow fairway between two landing zones so the safe play is to the right, especially for long hitters.

Hole 17 par-three, 176 metres

A continuously long, snaking tee box means the hole can play differently on any given day for any tee position. Off the back, the challenge is to carry a water hazard and bunker protecting the green, especially if the pin is well back and left.

Hole 18 par-four, 464 metres

Aim for the clock tower atop the clubhouse as you set up your tee shot here and take the left side. As with many holes in the golf course, the challenge is in the approach shot as a collection of spectacular Mackenzie-inspired bunkers cover the area on the right.