



瑞安房地產  
SHUI ON LAND

# GREEN BOND REPORT

2021

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## SHUI ON LAND'S GREEN BOND

*The issuance of green bonds is part of the development and implementation of the sustainable development strategy (the "SD Strategy") of Shui On Land Limited (the "Company" or "SOL") and its subsidiaries (the "Group"). It reaffirms our ongoing commitment to sustainable development.*

*Green buildings and renovations play an important role in sustainable cities and urban regeneration, reducing energy and resource consumption whilst providing healthy environments for communities to thrive. We recognize green bonds as a key market-oriented method to engage investors in our sustainable development efforts.*

*We launched our first green bond in November 2019, raising US\$ 300 million at a coupon rate of 5.75%, maturing in 2023.*

*The net proceeds were in the amount of approximately US\$ 296 million, and all of the proceeds were used to finance the acquisition of Corporate Avenue 5 in Taipingqiao, Shanghai, the renovation of Shui On Plaza in Shanghai and the renovation of Shui On Land headquarters.*

### Details of First Green Bond

Size	US\$ 300,000,000
Offering Type	Reg S only, Category 2
Issue Date	November 12, 2019
Maturity Date	November 12, 2023
Coupon	5.75% per annum
Issue Price	100%
Listing:	Singapore Exchange Securities Trading Limited
Joint Lead Managers	Standard Chartered Bank UBS AG Hong Kong Branch
Second Party Opinion Provider	 <b>SUSTAINALYTICS</b>

## TAP ON THE FIRST GREEN BOND

We launched our tap on the first green bond in December 2020, raising US\$ 200 million at a coupon rate of 5.75%, maturing in 2023. The net proceeds were in the amount of approximately US\$ 199 million, and all such proceeds were used to finance the acquisition and development of Hong Shou Fang project in Shanghai.

### Details of the Tap on the First Green Bond

Size	US\$ 200,000,000
Offering Type	Reg S only, Category 2
Issue Date	December 2, 2020
Maturity Date	November 12, 2023
Coupon	5.75% per annum
Issue Price	100%
Listing:	Singapore Exchange Securities Trading Limited
Sole Lead Manager	UBS AG Hong Kong Branch
Second Party Opinion Provider	 SUSTAINALYTICS



Net proceeds from our first green bond and the tap on the first green bond were used exclusively for funding, financing or refinancing the acquisition, development, renovation in whole or in part of "Eligible Projects". Eligible Projects refer to projects funded, in whole or in part, by the Group that promotes sustainable development in the real estate industry. Such "Eligible Projects" are included in the following categories\*:



Green Buildings



Energy Efficiency



Pollution Prevention  
and Control

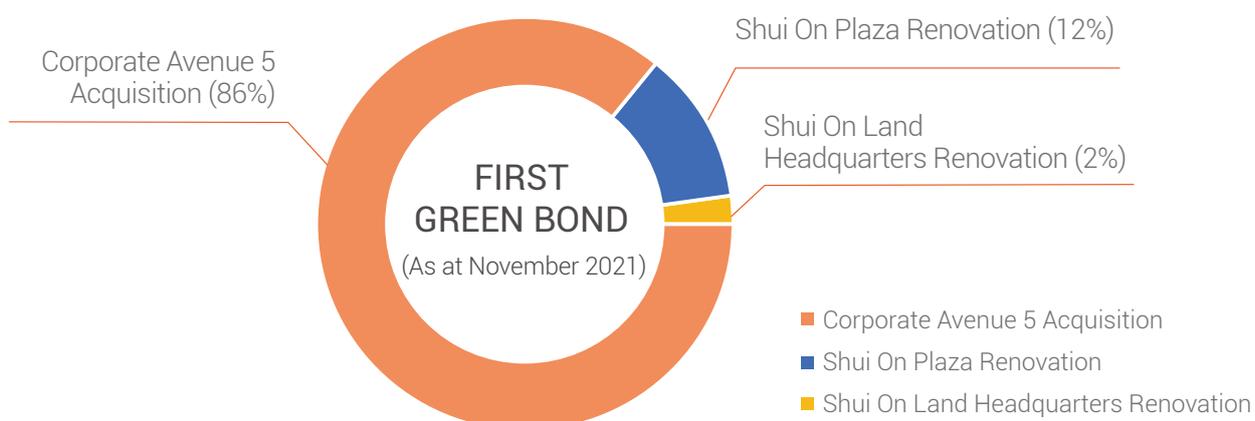
\* For further details, please refer to [Shui On Land Limited Green Finance Framework](#)

# ALLOCATION OF GREEN BOND PROCEEDS

## FIRST GREEN BOND

Category	Projects	Certification	Green Bond Proceeds Allocated <sup>1</sup>	
Green Buildings	Corporate Avenue 5 Acquisition	Gold Certified for LEED CS	US\$ 255 million	86%
		Three Star for China Green Building Label		
	Shui On Plaza Renovation	Gold Certified for LEED CS	US\$ 36 million	12%
	Shui On Land Headquarters Renovation	Gold Certified for LEED CI Version 4	US\$ 5 million	2%
Platinum Certified for WELL Version 2				
<b>Total Allocated Proceeds</b>			US\$ 296 million	100%
<b>Total Net Proceeds</b>			US\$ 296 million	100%

<sup>1</sup> As at November 2021



## TAP ON THE FIRST GREEN BOND

Category	Projects	Certification	Green Bond Proceeds Allocated <sup>2</sup>	
Green Buildings	Hong Shou Fang Acquisition and Development	Gold Precertification for LEED CS (East Tower)	US\$ 199 million	100%
		Gold Precertification for LEED CS (West Tower)		
<b>Total Allocated Proceeds</b>			US\$ 199 million	100%
<b>Total Net Proceeds</b>			US\$ 199 million	100%

<sup>2</sup> As at November 2021



## Reporting Criteria

- Total net proceeds of US\$ 296 million and US\$ 199 million were raised from the issuance of the first green bond and the tap on the first green bond, details of which are set out in this report.
- A green bond is added to the Green Bond Report when it was issued during the reporting period.
- A green bond is removed from the Green Bond Report when it has been fully repaid.
- Allocation and use of proceeds for each eligible green project are made according to the **Green Finance Framework** of SOL.

# GREEN PROJECT UPDATES



## Corporate Avenue 5 Acquisition

Gross Floor Area  
**102,330 sq.m.**

Storeys  
**27**

Date of Certificate of Real Estate Ownership  
**October 29, 2014**

Project Name	Corporate Avenue 5 Acquisition
Location	150 Hubin Road, Huangpu District, Shanghai, the PRC
GFA	102,330 sq.m.

### Certification



**Gold Certified  
for LEED CS**

Certification Date  
September 2015



**Three Star  
for China Green  
Building Label**

December 2012

Green Bond Proceeds Allocated	US\$ 255 million
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### Highlights of Green Elements

#### Item

#### Estimated Environmental Impact

##### *Renewable Energy*

- Renewable energy: PV panel 64.3kW and solar water system 18m<sup>2</sup> on the office tower roof
- Total renewable energy generated annually: 79,366 kWh, equivalent to annual carbon emissions avoidance of 63.9 tonnes of CO<sub>2</sub>e

##### *Energy Efficiency*

- High performance façade and revolving doors to reduce heating and cooling loads
- High efficiency chillers, boilers, pumps and ventilation fans
- Metering system to monitor energy consumption
- Annual 28% energy savings compared with LEED V2 baseline, equivalent to 2,392 tonnes of CO<sub>2</sub>e/yr

##### *Water Conservation*

- Grey water system for toilet flushing and irrigation
- Low flow-rate sanitary fixtures and irrigation system to save potable water consumption
- Annual 64% water savings compared with LEED V2 baseline



### Shui On Plaza Renovation

Gross Floor Area  
**26,489 sq.m.**

Storeys  
**7**

Date of Certificate of Real Estate Ownership  
**February 18, 1997**

Project Name	Shui On Plaza Renovation		
Location	B2-7F 333 Mid. Huaihai Road, Huangpu District, Shanghai, the PRC		
GFA	26,489 sq.m.		
Certification		<p><b>Gold Certified  for LEED CS</b></p>	<p><b>Certification Date</b>  January 2019</p>
Green Bond Proceeds Allocated	US\$ 36 million		

Highlights of Green Elements

**Item**

**Estimated Environmental Impact**

***Energy Efficiency***

- High performance façade and revolving doors to reduce heating cooling loads
- High efficiency chillers, boilers, pumps and ventilation fans
- Free cooling system for retail podium
- Metering system to monitor energy consumption
- High efficiency lighting fixtures and controls

- Annual 14% energy savings compared with LEED V3 baseline, equivalent to 467 tonnes of CO2e/yr

***Water Conservation***

- Low flow-rate sanitary fixtures and irrigation system to save portable water consumption

- Annual 43% water savings compared with LEED V3 baseline



## Shui On Land Headquarters Renovation

Gross Floor Area  
**5,000 sq.m.**

Storeys  
**3**

Date of Certificate of Real Estate Ownership  
**February 18, 1997**

Project Name	Shui On Land Headquarters Renovation		
Location	23-26F 333 Huaihai Zhong Road, Huangpu District, Shanghai, the PRC		
GFA	5,000 sq.m.		
Certification		Gold Certified for LEED CI Version 4	Certification Date May 2020
		Platinum Certified for WELL Version 2	September 2020
Green Bond Proceeds Allocated	US\$ 5 million		

### Highlights of Green/Healthy Elements

Item	Estimated Environmental Impact
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#### *Energy Efficiency*

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• LED lighting</li> <li>• High efficiency mechanical equipment and Submetering system</li> </ul> | <ul style="list-style-type: none"> <li>• Annual 31% energy savings compared with LEED V4 baseline, equivalent to 136 tonnes of CO<sub>2</sub>e/yr</li> </ul> |
|---|--|

#### *Water Conservation*

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Low flow-rate sanitary fixtures :               <ul style="list-style-type: none"> <li>• sensor faucet 1.9L/M</li> <li>• toilet 4.8L/F</li> <li>• urinal 0.5L/F</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Annual 45% water savings compared with LEED V4 baseline</li> </ul> |
|---|---|

#### *Indoor Air Quality*

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• 26 permanent air filters.</li> <li>• G4+F7 fresh air filter in PHU.</li> <li>• Max 28,000 m<sup>3</sup>/h fresh air for 200 people</li> <li>• Low emissions furniture, carpet, paint and coating</li> <li>• Enclosed printing Room</li> </ul> | <ul style="list-style-type: none"> <li>• PM<sub>2.5</sub> 3~10 ug/m<sup>3</sup></li> <li>• PM<sub>10</sub> 4~15 ug/m<sup>3</sup></li> <li>• Formaldehyde 10~25 ppb</li> <li>• CO 0~0.4 ppm</li> <li>• CO<sub>2</sub> 0~800 ppm</li> </ul> |
|--|---|

#### *Indoor Water Quality*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Potable water filtration</li> </ul> | <ul style="list-style-type: none"> <li>• TDS 8 mg/L</li> <li>• Turbidity 0.04 NTU</li> </ul> |
|--|--|

#### *Indoor Noise Level*

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• DC fan coil unit</li> <li>• System glass partitions</li> <li>• Noise break gypsum board partitions</li> </ul> | <ul style="list-style-type: none"> <li>• Office: 38~41 dBA</li> <li>• Conference: 33~35 dBA</li> <li>• Public: 44~45 dBA</li> </ul> |
|--|---|



## Hong Shou Fang Project

Gross Floor Area

**87,872 sq.m.**

Storeys

**4 buildings between 2 and 21 storeys**

Date of Certificate of Real Estate Ownership

**July 8, 2020**

Project Name	Hong Shou Fang Project		
Location	Changshou Road, Putuo District, Shanghai, the PRC		
GFA	87,872 sq.m.		
Certification		<p><b>Gold Precertification for LEED CS (East Tower)</b></p>	<p>Certification Date February 2021</p>
		<p><b>Gold Precertification for LEED CS (West Tower)</b></p>	<p>February 2021</p>
Green Bond Proceeds Allocated	US\$ 199 million		

Highlights of Green/Healthy Elements

Item	Estimated Environmental Impact
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**Energy Efficiency**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• High performance façade and revolving doors to reduce heating and cooling loads</li> <li>• High efficiency chillers, boilers, pumps and ventilation fans</li> <li>• High efficiency lighting fixtures and controls</li> <li>• Metering system to monitor the energy consumption</li> </ul> | <ul style="list-style-type: none"> <li>• Annual 25% energy saving compared with LEED V4 baseline, equivalent to 1,265 tonnes of CO<sub>2</sub>e/yr</li> </ul> |
|---|---|

**Water Conservation**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Grey water system for toilet flushing and irrigation</li> <li>• Low flow-rate sanitary fixtures and irrigation system to save portable water consumption</li> </ul> | <ul style="list-style-type: none"> <li>• Annual 40% water saving compared with LEED V4 baseline</li> </ul> |
|--|--|

**Sponge City Design**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Two rainwater harvest pools (total 200m<sup>3</sup>) for site rainwater control</li> </ul> | <ul style="list-style-type: none"> <li>• Annual total runoff control rate 65%</li> <li>• Annual runoff pollution control rate is &gt;50%</li> </ul> |
|---|---|



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