KNOWLEDGE-SHARING IS THE KEY TO ADVANCING SUSTAINABILITY PRACTICES

By facilitating the sharing of our sustainability and placemaking approach with industry peers and students alike, the launch of the “People Places Planet” experience portal acts as a catalyst for wider community debate, dialogue and action.
Knowledge-Sharing is the Key to Advancing Sustainability Practices

The road to embedding sustainability in the building and construction industry’s future is paved with knowledge.

In conjunction with World Environment Day in June 2020 SGBC Member Lendlease launched an interactive knowledge-sharing platform, the ‘People Places Planet’ experience portal, to showcase the placemaking and sustainability best practices behind our landmark urban regeneration development, Paya Lebar Quarter (PLQ).

Central to this online learning tool is how Lendlease’s vision of revitalising urban spaces and creating vibrant, sustainable spaces comes to life at PLQ. Through the portal, students and industry peers will have the opportunity to observe PLQ’s role as a key catalyst in the transformation of Paya Lebar into a bustling, pedestrian-friendly, new city precinct with a distinctive sense of place and cultural identity.

CREATING THE BEST PLACES FOR PEOPLE TODAY AND THE GENERATIONS TO COME

A mixed-use development, PLQ seeks to transform the Paya Lebar district into a bustling, pedestrian-friendly precinct and business hub. Combining workplaces, commercial and retail outlets with lush green residences, PLQ seamlessly melds each component within the greater vision but still allows for their respective characteristics to effortlessly shine through.

As a development certified to the highest-possible Platinum rating of the Singapore Building and Construction Authority’s Green Mark Scheme, PLQ’s onus on sustainability can be felt throughout the property. Numerous green building features and innovations can be found in PLQ, such as the usage of super high efficiency chiller systems that make use of artificial intelligence and real-time data to optimise performance, high performance facades that reduce heat gain while improving air conditioning efficiency as well as boosts thermal comfort for occupants as well as specifying only LED energy efficient lighting for the entire precinct. Paints, sealants and adhesives with low volatile organic compound (VOC) levels are used in the development to keep the indoors healthy for all occupants, and exhaust ducts installed with filters clean the air from PLQ before being released into the environment.

Green leases are also offered by Lendlease to help tenants ensure that their office fit-outs reduce waste as well as energy and water consumption. PLQ’s generous cascading rain gardens and drainage cells filter and purify stormwater runoff, and the development is Singapore’s first mixed-used private development to receive the Active, Beautiful, Clean Waters Certification by the Public Utilities Board.
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To achieve Platinum rating for BCA Green Mark for Non-Residential Buildings (2015 Criteria)

To receive Public Utilities Board’s ABC Waters Certification (Private Mixed Use Development)

To register for the UDI WELL Core and Shell Certification

First in Singapore

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Innovative Solutions

- Cascading rain gardens and drainage cells slow down the stormwater discharge rate to mitigate floods and help purify the water.
- Our chillers plant room utilises AI and real-time data to stay highly efficient.
- End-of-trip facilities and to-the-door bike paths encourage active and carbon-free commutes.
- With seamless links to the park connector network, you can explore nature.
- This elevated pedestrian network connects the whole of PLQ!
- We expanded this canal that runs through PLQ, increasing its capacity to handle peak water levels.
- We installed PV cells on our retail rooftop!
- We have spacious public areas with accessible walkways and generous seating.
- We dedicate 14% of our office space to flexible, pre-fitted workspaces.

Over 30 energy savings across the precinct

300% more trees planted than were originally on site

Knowledge-sharing trained on environment, health & safety as PLQ was built

Solar Power

In 2020, we’ll install PV cells on our retail rooftop!

Organic Waste

Digester

Diverts food waste from landfill and incineration.

Active Commute

End-of-trip facilities and to-the-door bike paths encourage active and carbon-free commutes.

No secret to sustainability. The sun powers our retail rooftop with solar panels.

Supporting Local Talents

We worked with local designers and service providers.

ABC Waters Certified

- Terraced rain gardens
- Green roofs
- Sky gardens
- Vertical greening

Flexible Workspaces

We cut wastage by dedicating 14% of our office space to flexible, pre-fitted workspaces.

Flood Prevention

We expanded this canal that runs through PLQ, increasing its capacity to handle peak water levels.

New Beginnings

From a Banyan tree originally on site, we cultivated over 40 saplings, donated 30 to Jurong Lake Gardens and replanted 5 in PLQ.
Knowledge-Sharing is the Key to Advancing Sustainability Practices

PLAYING OUR PART THROUGH ACTIVE KNOWLEDGE-SHARING

Seeking to give back to the community by sharing knowledge around the considerations behind placemaking and the role that sustainability plays, it is in the spirit of education that Lendlease launched the free-to-use “People Places Planet” experience portal.

The People Places Planet experience portal was designed with the understanding that schools in Singapore are interested in applied learning opportunities that offer hands-on, experiential learning for students to situate and apply their knowledge in a real-world context. As an interactive website resource, the portal also offers students an engaging technology-enabled learning experience complemented by the use of animations, videos, and interactive components.

Through the online platform, Lendlease seeks to spark industry peers’ interest in sustainable solutions for their future projects. By taking them through the design-thinking process, the portal serves to precipitate industry discussions on place creation with a people-first thinking and on improvements in urban planning.

By cultivating students’ and industry peers’ interest in sustainability through active knowledge-sharing, society as a whole comes one step closer to securing the future for generations to come.

Some of PLQ’s consultants including DP Architects, Meinhardt, Kael, Grant Associates and Web Structures, also contributed to this learning offering.

Visit https://www.peopleplacesplanet.com.sg/ to access the People Places Planet experience portal. Individuals can register their interest for a site tour to continue their learning journey at PLQ.*

*Tours are temporarily suspended in view of social distancing guidelines arising from the COVID-19 pandemic. Register your interest and be notified on a later date when the tours are up and running!