



Thai Life Insurance Public Company Limited

LEED certification standards for buildings were developed by the U.S. Green Building Council (USGBC). The head office building of Thai Life Insurance PLC is striving to achieve LEED for Existing Building Operation and Maintenance certification in Version 4.1. This is aimed at managing and maintaining the building in line with green building principles.

Throughout the project's management and maintenance processes of consumption conservation, the objective is to enhance energy efficiency, improve the effectiveness of water utilization, create a safer indoor environment, and promote the well-being of building occupants.



บริษัท ไทยประกันชีวิต จำกัด (มหาชน)



LOCATION AND TRANSPORTATION



SUSTAINABLE SITE



WATER EFFICIENCY



ENERGY AND ATMOSPHERE



MATERIALS AND RESOURCES



INDOOR ENVIRONMENTAL QUALITY



LOCATION AND TRANSPORTATION

Traveling by public transportation

The head office building of Thai Life Insurance PLC is accessible via the public transportation system. The building is within walking distance of the MRT (Mass Rapid Transit) station and bus stops. This helps reduce the use of private vehicles. The company also has a policy for employees to work from home to reduce pollution from the transportation system.



SUSTAINABLE SITE

Heat Island Reduction

Selecting light-coloured materials for the roof and floor laying to reduce heat accumulation and temperature surrounding.

Project location

For maintaining the outside building and architectural area of Thai Life Insurance PLC's head office building, the management processes are:

- Reduce the use of chemical fertilizers and cleaning chemicals. Using fertilizer that comes from composting organic waste and mulch, which is an organic material.
- Reduce the use of maintenance equipment that relies on fuel to minimize noise and air pollution.
- Prevent debris from entering drainage systems to reduce flooding issues.
- Install an automatic watering system to decrease water consumption.



WATER EFFICIENCY

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The head office building of Thai Life Insurance PLC has installed meters to measure the overall water usage of the building. Additionally, meters have been installed to measure the water usage for the automatic watering system of the plants. Furthermore, a selection of water-efficient plant types has been chosen, along with water-saving sanitary products. This is to manage water usage appropriately and reduce overall water consumption.



ENERGY AND ATMOSPHERE

Energy Efficiency

The head office building of Thai Life Insurance PLC has effective energy management. The company opted for LED and installed a solar cell system to reduce energy consumption, including not using refrigerant, which destroys ozone in the air layer and turns into a global warming problem.

The energy consumption is monitored and developed properly by the main meter and sub-meter of the building for better energy proficiency.

Alternative production of energy

The company installed a solar cell system, which can reduce energy consumption by 16% by itself.



MATERIALS AND RESOURCES

Product and material selection

Selecting non-toxic products and materials for building management and maintenance to reduce the effects of total volatile organic compounds (TVOCs) on indoor air quality.

Waste Management

The company has a management system to reduce waste generated by building occupants, as well as designated areas for accommodating recyclable materials and providing safe storage for hazardous waste, awaiting proper disposal in a secure environment.



INDOOR ENVIRONMENTAL QUALITY

INDOOR ENVIRONMENTAL QUALITY

To promote the well-being of building occupants, the head office building of Thai Life Insurance PLC. conducts maintenance and upkeep of the indoor air handling equipment in accordance with the ASHRAE Standard 62.1-2016. This standard ensures the quality of indoor air by specifying ventilation requirements. Additionally, the building has installed air filtration panels meeting MERV11 standards, capable of capturing at least 65% of small particles, including PM 2.5.

Furthermore, the company has implemented a no-smoking policy within the premises. Smoking areas are located at least 7.5 meters away from all building entrances and exits to prevent or minimize exposure to tobacco smoke for building occupants. The building's indoor air quality is regularly assessed, including components of carbon dioxide (CO2) levels and total volatile organic compounds (TVOCs), to ensure occupant satisfaction with the indoor air quality. These measures contribute to a healthier and more comfortable indoor environment.

