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Headline: New energy rating to spur move to greener buildings

What a building could do to reach super low-energy status

To be considered a super low-energy building, the structure must have systems that make it at least 60 per cent more energy efficient compared with 2005 building codes. The Straits Times looks at the Building and Construction Authority's Zero Energy Building to see examples of the measures that could be implemented.





set up on the building's roof collect sunlight and, through reflection via mirrors, throw this harvested daylight into the room below. The light is spread evenly throughout the room by diffusers, reducing the need for artificial lighting.





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New energy rating to spur move to greener buildings

BCA working with professionals, developers to help more qualify for fresh classification

Aw Cheng Wei and Jose Hong

Solar shades, natural ventilation and renewable energy panies are some ofthe prospective energy-saving features the national regulator wants to see in more Singapore buildings.

To intensify the move to a greener future, the Building and Construction Authority (BCA) has launched

a new energy rating for buildings that are at least 60 per cent more energy efficient compared with 2005 building codes. This was announced by Minister for National Development Lawrence Wong yesterday at the opening ceremony of the Singapore Green Building Week (SGBW) at Marina Bay Sands.

Under the new rating, called Green Mark for Super Low Energy,

office buildings cannot use more than 100 kilowatt hour (kwh) per sym a year.

To help more buildings qualify for the voluntary tating, the BCA is working with industry professionals, including property developers, to build such super low-energy buildings, said its chief executive Hugh Lim. The BCA is also doing more rigorous research and innovation to further push the frontier for green buildings, he added.

"By setting such new performance benchmarks, Singapore can play an important role in mitigating

The BCA is now working with property developer Keppel Land to convert Keppel Bay Tower, a Green Mark Platinum building, into as used to the energy required to power more plated by Last year. Keppel Land was awarded \$1.28 million from the BCA's Green Buildings Innovation Cluster to conduct a pilot on super low-energy technologies at its building in HarbourFront. Five technologies to be tested in the 18-storey building later this month include a smart lighting system, a fresh air intake system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system that regulates the flow of outside air into the tower and a cooling tower system, a fresh air intake system that regulates the flow of the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awarded \$1.28 million from the energy required to power more plants awa

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