## New energy rating launched for office buildings

The Building & Construction Authority's Green Mark for Super Low Energy, more rigorous than the Green Mark Platinum, is for office buildings using under 100 kwh per sq m a year

Singapore SOLAR shades, natural ventilation and renewable energy panels are some of the prospective energy-sav-ing features the national regulator wants to see in more Singapore build-ings.

said its chief executive officer Hugh Lim. The BCA is also doing more rigor-ous research and innovation to fur-ther push the frontier for green build-ings, he added. By setting such new performance benchmarks, Singapore can play an important role in mitigating climate change," he said. Previously, the highest class un-der the Green Mark, the BCA's bench-marking scheme, was the Green Mark Platinum, awarded to buildings that

save at least half of the energy listed in the 2005 building codes More than 10 organisations, in-cluding Defence Science and Technoand renewable energy panels are some of the prospective energy-so-ring features the national regulator more singapore building pefence. Science and Techno-logy Agency, Singapore Management logy Agency, Singap



conduct a pilot on super-low-energy technologies in its building in Har-bouriront. Technologies to be tested in the 18-storey building this month in-clude 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 structure's temperature without the need for chemical water treat-ment.

the need for chemical water treatment. It is not common for buildings in Singapore to have all of these techno-logies within the same structure. If successful, the building's annual energy consumption is expected to down by 20 per cent, from 145kwh per sq an yaver to 115kwh per stant structure. This would save the company structure was the status quo: we're looking to settimated over all annual energy required to the status quo: we're looking to settimated overall annual energy required to have the entire week. Can be are stimated overall annual energy required to power more than 250 five-room HDB flats for a year.

It will also mean annual savings of about 7,000 cu m of water, enough to fill three Olympic-size swimming pools. When applied to the entire build-

When applied to the entire build-ing, annual energy consumption is es-timated to fall to 92kwh per sq m, the spokesman added. The pilot is expected to be com-pleted by July 2020. Speaking at the SG&W opening ce-remony, National Development Minis-ter Lawrence Wong said that next year's green building week would be in a different format and include areas like smart facilities manage-ment. We don't just want to continue with the status quo; we're looking to

Source: The Business Times @ Singapore Press Holdings Limited. Permission required for reproduction