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Powering Singapore's Green Mark Vision

In our tropical climate, conventional air conditioning is the primary driver of energy consumption. To transform the built environment, a strategic shift toward intelligent cooling is no longer optional—it is a competitive necessity. Our latest article explores how verified Alternative Cooling Technologies (ACTs) are redefining sustainability standards without compromising comfort.



The Cooling Frontier

Air conditioning drives over 20% of Singapore's building emissions. To meet **Green Mark 2021** and "80-80-80" targets, adopting Alternative



Redefining Comfort: Smart Cooling in Action

Blending natural principles with smart engineering creates more adaptive spaces. Examples like **Temasek Shophouse's** 47% energy savings and **Mandai**



The Proven Impact: From Theory to Tangible Returns

Sustainable design is a high-yield investment. The **PSA maintenance-base** achieved a verified 57.2% energy saving through integrated cooling. For

Cooling Technologies (ACTs) is imperative. These proven solutions deliver over 20% energy savings, \$500,000 in annual cost reductions, and up to 12% higher rental yields.

Rainforest Resort's smart ventilation show these systems work. By cutting thermal waste, they help drive Singapore's sustainability goals.

a 10,000 sqm building, this means **\$500,000 in annual savings** and full investment recovery within 6.5 years. Plus, Platinum-certified assets command **12% higher rents**.

As demonstrated by pioneering projects across Singapore, these technologies are proven, effective, and financially viable. Join us in engineering for a more sustainable and comfortable built environment for the tropics.

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Browse our previous insights from The Producers' Desk [here](#).

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