

Energy efficient, sustainable cooling for hot & humid climates





Australia's National Science Agency

Picture credit : Sinarmas land

The challenge is addressing: growth, warming & humidity

200 GW by 2040 **300M+** Units by **2040** Asia (tropic) = humidity >60% RH



Solar cooling : natural alignment





Still challenges remain : peak demand reduction, initial system cost

Solar air conditioning









Project timelines



Our roadmap

Done

- Develop technology & invested in
- Demonstrated in humid environment
- Understand supplychain
- Understand marketbarrier & have develop plans to address

Doing (with TIC Grant)

- Pilot demonstration in development context (Indonesia)
- Securing early customers & partners
- Business model development, testing & refining
- Secure supply chain (emerging Asia)

Next

- Demonstrate across emerging and developed Asia
- Trial & validate business model across the region
- Secure global supply chain
- Global expansion



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