

**Temasek Foundation Ecosperity
List of Supported Projects**



S/No	Project	Description	Partner	Vertical
1	Green roof for buses	Buses with green roofs to reduce interior temperature and energy consumption.	GWS Living Art	Air
2	'N95' masks for children	New masks with ventilator designed for young children.	Innosparks Pte Ltd	Air
3	Outdoor evaporative cooling	Evaporative air coolers for outdoor spaces.	Innosparks Pte Ltd	Air
4	Hydrogel to lower humidity	Piloting of a coating to reduce relative humidity and improve thermal comfort.	National University of Singapore	Air
5	Solid state cooling fans	Fans using solid state thermoelectric technology to reduce outdoor temperature.	Phononic, Inc	Air
6	'Vortex' fans	Fans using the Vortex principle to reduce outdoor temperature.	Vortec Pte Ltd	Air
7	Biodiversity for dragonfly habitat	Vector control strategy to mitigate against the spread of infectious diseases.	Garden City Fund	Biodiversity
8	Endangered species conservation	Reproduction of endangered species using induced pluripotent stem cells.	Mandai Park Development	Biodiversity
9	Quantum key distribution encryptor	Quantum-safe encryption devices.	S-Fifteen Pte Ltd	Cybersecurity
10	Hydrogen fuel cells	Renewable energy storage solution.	EPS (S) Pte Ltd	Energy
11	Community farming	Stackable, closed-loop farming for high-volume food production.	Edible Garden City	Food
12	Urban recirculation aquaculture system	Indoor vertical system for high-volume fish production.	Temasek Life Sciences Laboratory	Food
13	Upcycling food waste	Converting fermented food waste into fish feed.	Temasek Life Sciences Laboratory	Food

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14	Bio-based pesticides	Developing alternative pesticides based on plants and gene repression techniques.	Temasek Life Sciences Laboratory	Infectious Disease Management
15	Therapeutics for viruses	Building a quick response to mass disease outbreaks.	Tychan Pte Ltd	Infectious Disease Management
16	Food waste tracker	Generating insights using image recognition technology to reduce food waste.	Good For Food Pte Ltd	Waste Management
17	Black soldier flies	Converting organic waste to materials for sustainable food production.	National University of Singapore	Waste Management
18	Biodegradable straws	Producing biodegradable straws from biopolymers as a start to replace non-biodegradable plastic products.	RWDC Industries Pte Ltd	Waste Management
19	Fire monitoring analytics	Generating fire activity reports to provide insights on occurrence and distribution over land use/types.	National University of Singapore's Centre for Remote Imaging, Sensing and Processing	Weather and Climate

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