

**Approved applications**  
**in the third round of Green Tech Fund Applications**

<b>Application number</b>	<b>Project titles</b>	<b>Applicant</b>	<b>Approved duration</b>	<b>Grant approved</b>
<b><u>New energy technology</u></b>				
GTF202220034	Developing low-cost PEM electrolysis at scale by optimizing transport components and electrode interfaces	City University of Hong Kong	36 months	\$3,866,300
GTF202220122	The first intelligent ammonia-powered zero-carbon versatile-energy supply station, “NH3-VESS”	The Hong Kong Polytechnic University	24 months	\$4,613,800
GTF202220159	Thermally-integrated water desalination — electrolysis system for clean hydrogen generation	City University of Hong Kong	24 months	\$4,142,300
<b><u>Energy saving and green building</u></b>				
GTF202220106	Development of Multi-Functional “Building Clothing” using Textile Waste for Energy Saving and Waste Reduction	The Hong Kong Polytechnic University	24 months	\$2,606,000
<b><u>Turning waste into resources</u></b>				
GTF202220024	Low-carbon high-performance deep mixing piles for land reclamation	The University of Hong Kong	24 months	\$2,783,000
GTF202220115	Study of Ammonia Pretreatment-Power Generation System toward complete valorization of food waste digestate	The Hong Kong Polytechnic University	24 months	\$6,870,100
GTF202220131	Carbon-Negative, Green, Circular Technologies for Interception and Revalorization of FOG Waste from Catering Industry	The Hong Kong University of Science and Technology	24 months	\$3,356,850

<u>Green Transport</u>				
GTF202220105	Self-healing Aqueous Batteries for Safe and Durable Green Transport	City University of Hong Kong	36 months	\$2,500,100