# Annex

## The second batch of approved applications in the first round of Green Tech Fund Applications

<table>
<thead>
<tr>
<th>Application number</th>
<th>Project titles</th>
<th>Applicant</th>
<th>Approved duration</th>
<th>Grant approved</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New energy technologies projects</strong></td>
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<tr>
<td>GTF202020092</td>
<td>Development of High Performance and Long-life Hydrogen Fuel Cell Stacks</td>
<td>The Hong Kong University of Science and Technology</td>
<td>36 months</td>
<td>$8,991,500</td>
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<tr>
<td>GTF202020103</td>
<td>Catalytic hydrolysis of solid-state hydrogen storage materials: A safe, efficient and facile approach for hydrogen storage and generation</td>
<td>The Hong Kong Polytechnic University</td>
<td>30 months</td>
<td>$3,305,100</td>
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<td><strong>Promotion of transport electrification projects</strong></td>
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<td>GTF202020192</td>
<td>Agile and Dynamic Control Technologies to Enhance System Stability and Power Quality Considering Renewables and Electrical Vehicle Impacts</td>
<td>CAFEA Smart City Limited</td>
<td>30 months</td>
<td>$2,504,200</td>
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<td>GTF202020166</td>
<td>Smart Power Conditioners Using Second Life Electric Vehicle (EV) Batteries</td>
<td>City University of Hong Kong</td>
<td>36 months</td>
<td>$6,687,710</td>
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<td><strong>Smart waste management project</strong></td>
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<td>GTF202020077</td>
<td>Green Intelligent Garbage Bag Assessment System</td>
<td>United Microelectronics Centre (Hong Kong) Limited</td>
<td>21 months</td>
<td>$2,514,580</td>
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<td><strong>Real-time air quality monitoring project</strong></td>
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<td>GTF202020183</td>
<td>Portable and low-cost sensors for the ambient air monitoring of BTEX and other volatile organic compounds</td>
<td>City University of Hong Kong</td>
<td>36 months</td>
<td>$5,686,750</td>
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</tbody>
</table>
Development of High Performance and Long-life Hydrogen Fuel Cell Stacks
(Application Number GTF202020092)

Catalytic hydrolysis of solid-state hydrogen storage materials: A safe, efficient and facile approach for hydrogen storage and generation
(Application Number GTF202020103)
Agile and Dynamic Control Technologies to Enhance System Stability and Power Quality Considering Renewables and Electrical Vehicle Impacts

(Application Number GTF202020192)
Smart Power Conditioners Using Second Life Electric Vehicle (EV) Batteries
(Application Number GTF202020166)
The Intelligent Garbage Bag Assessment System applies advanced edge AI technologies to instantly recognise whether the waste is wrapped in the designated garbage bags, and provides relevant statistic data for further analysis.

Portable and low-cost sensors for the ambient air monitoring of BTEX and other volatile organic compounds (Application Number GTF202020183)