## Economic aspects of nuclear maritime application

### FNPP (e-Fuel)

- Reactor: 100 MWe
- e-Fuel generation: 50 MW
- Engine: 25 MW

### Nuclear powered ship

- Reactor: 100 MWe
- Engine: 90 MW

<table>
<thead>
<tr>
<th>Type</th>
<th>CAPEX</th>
<th>OPEX</th>
<th>Total Cost of LCA (‘25y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15,000 TEU Methanol ship</td>
<td>Ship construction cost: $0.2B</td>
<td>Fuel cost: 100,000 tons/yr → $0.1B/yr</td>
<td>About $2.7B</td>
</tr>
<tr>
<td>15,000 TEU Nuclear ship</td>
<td>Ship construction cost (including nuclear): $1.0B</td>
<td>Nuclear propulsion ship cost: -</td>
<td>About $1.0B (Goal)</td>
</tr>
</tbody>
</table>
Capability of heavy industries company

- Development partners of advanced small modular reactor for marine applications