


Aug. 30, 2023
 Marubeni Corporation
 H.I.S. Co., Ltd.
 Mizuho Bank, Ltd.
 Tokio Marine & Nichido Fire Insurance Co., Ltd.

Business Feasibility Assessment for Operation of Flying Cars:
Moving Forward Together to Achieve a New Form of Aerial Mobility in the Kansai Region

Marubeni Corporation (hereinafter, “Marubeni”), H.I.S. Co., Ltd. (hereinafter, “H.I.S.”), Mizuho Bank, Ltd. (hereinafter, “Mizuho Bank”), and Tokio Marine & Nichido Fire Insurance Co., Ltd. (hereinafter, “Tokio Marine & Nichido”) have been selected by the Osaka Prefectural, Osaka City, and Hyogo Prefectural authorities to receive a subsidy for their urban flying car*1 business project.

As part of this grant project, following completion of an assessment comprising the following studies, Marubeni, H.I.S., Mizuho Bank, and Tokio Marine & Nichido will collaborate in the creation of a business promotion system for the operation of a flying car service.

Details:

<p>Studies</p>	<ol style="list-style-type: none"> 1. Demand estimation for Kansai region 2. Flight plan analysis 3. Simulation of optimal charging and battery management method 				
<p>Study areas</p>	 <p>Source: Created by processing the Portal Site of Official Statistics of Japan (e-Stat; https://www.e-stat.go.jp/en/node)</p> <p>Routes will comprise various connections between two of the following areas ①-⑩.</p> <table border="0"> <tr> <td>① Yumeshima area</td> <td>⑥ Kobe Airport area</td> </tr> <tr> <td>② Center of Osaka City (Morinomiya area)</td> <td>⑦ Tajima area (Takeda Castle, Kinosaki, Tajima Airport)</td> </tr> </table>	① Yumeshima area	⑥ Kobe Airport area	② Center of Osaka City (Morinomiya area)	⑦ Tajima area (Takeda Castle, Kinosaki, Tajima Airport)
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	③ Center of Kobe city	⑧ Awaji area
	④ Center of Amagasaki city	⑨ Koyasan area
	⑤ Kansai International Airport area	⑩ Seto Inland Sea area (Shodoshima, Naoshima, Fukuyama)

Roles for business feasibility assessment:

Marubeni	Project management, lead on multiple studies, business plan review
H.I.S.	Assessment of ticket pricing and sales promotion ideas for flying car service
Mizuho Bank	Evaluate depreciation expense and ownership costs for flying car aircraft
Tokio Marine & Nichido	Design an insurance scheme for flying cars in domestic Japanese market

By identifying potential routes through this joint assessment, Marubeni, H.I.S., Mizuho Bank, and Tokio Marine & Nichido will work towards the early realization of a new form of aerial mobility in the Kansai region.

*1 Flying cars: An advanced means of aerial mobility, electrically powered and capable of autonomous takeoffs and vertical landings, to facilitate more accessible and convenient air travel.

Osaka Prefectural Government Website (Japanese language only):

<https://www.pref.osaka.lg.jp/energy/evtol/hojyokin-soratobu2.html>

Osaka City Government Website (Japanese language only):

<https://www.city.osaka.lg.jp/keizaisenryaku/page/0000599923.html>

Hyogo Prefectural Government Website (Japanese language only):

<https://web.pref.hyogo.lg.jp/sr10/sorakuru.html>