

Satellite-Driven City Innovation Project

- Quantifying Regional Traits and Changes in Mid-Sized Cities Using Satellite Data and AI
- Analyzing the Correlation Between City-Attribute and Well-Being Using LWC indices*
- Applying Insights to Address Future Urban Development Challenges and Design in Mid-Sized Cities

* **L**iveable **W**ell-Being **C**ity Index®

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| Company name | Mitsubishi Electric Corporation |
| Service Overview | Using our satellite data analysis technologies, we extract "city-attribute" from satellite images of Mid-Sized city. By integrating these findings with insights on LWC indices from Keio University's mid-sized city model, we analyze the correlation between residents' sense of well-being and regional characteristics or changes. These insights contribute to creating urban environments that strike a harmonious balance with nature. |
| User | Local government (Disaster Prevention, Urban Planning) |
| Satellite | • Optical imagery satellite (i.e. WV-series, Pleiades, Satellogic) |
| URL | https://www.mitsubishielectric.co.jp/news/2024/1001-b.pdf |

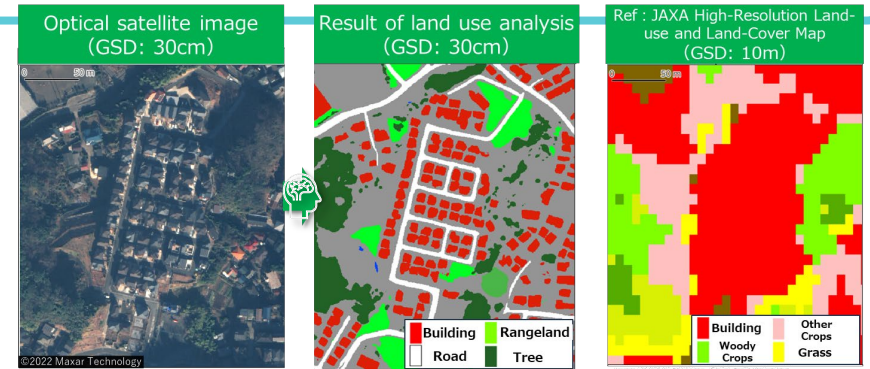


Fig 1. AI-driven land use analysis technology (MELTERRA Landscan™)

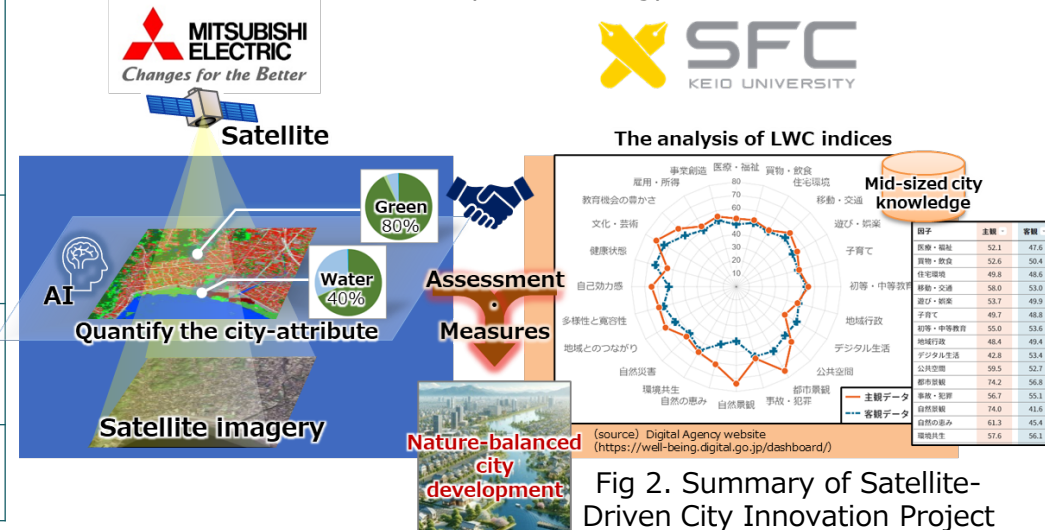


Fig 2. Summary of Satellite-Driven City Innovation Project