

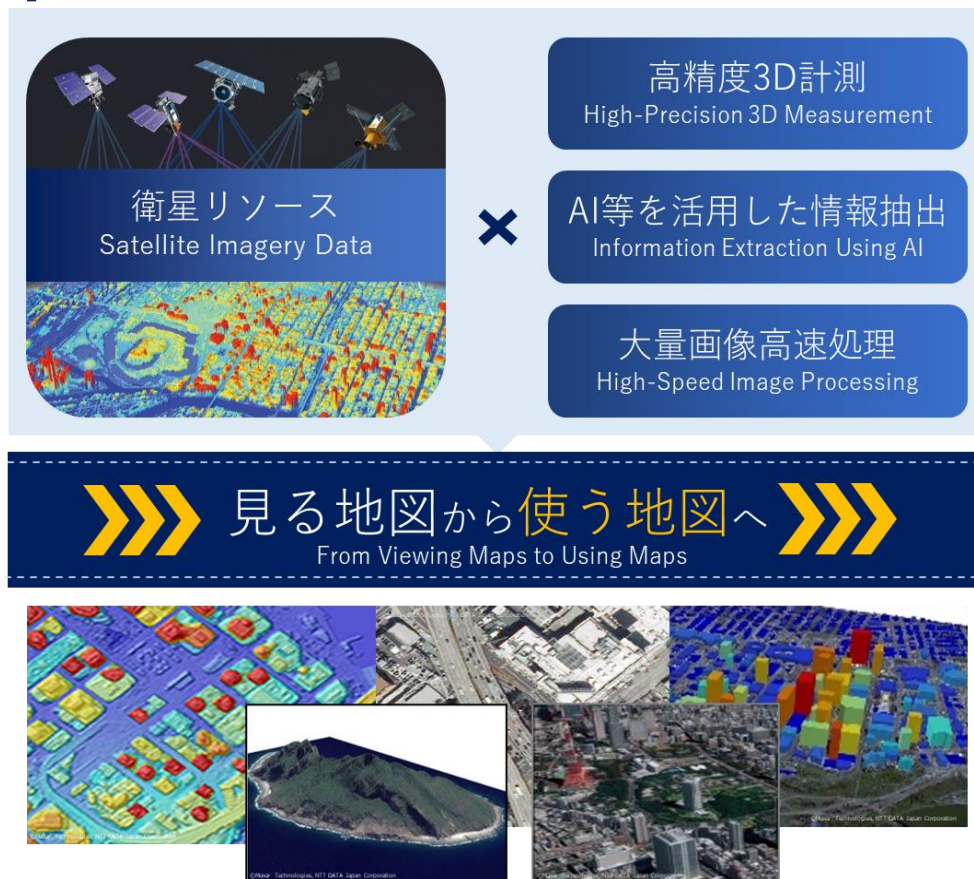
Breakthroughs in satellite-based 3D mapping through Multi-View Stereo Technology

Infrastructure companies can reduce the number of
ground surveys by using satellite 3D maps

#Customer Experience Value Creation #Productivity Improvement #Green Transformation

Multi-view Stereo Technology

マルチビューステレオ技術



///Technical Issue

High-frequency, high-resolution 3D mapping for vast, complex terrains is still limited.

///Research Goal

With 3D mapping technology, we aim to expand use in telecom, urban development and forestry.

---Technology

Our advanced image processing technology leverages multi-view stereo analysis of large-scale satellite imagery datasets to produce highly accurate 3D models.

---Novelty

The world's first digital 3D map that accurately represented the topography of all lands on Earth at resolution of 5 meters.

---Applicable Business

It is used for wireless network design through radio wave propagation simulation in the telecommunications field, Environmental simulation in the urban planning field, and resource assessment in the forest management field. It is used for simulation in a wide range of fields such as infrastructure development, disaster prevention, environmental monitoring, and public health.(Available since 2014, Satellite imagery data market size: 300 billion JPY (2030))