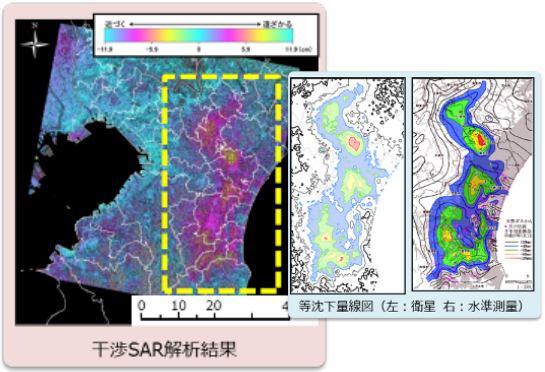
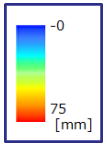
Ground Deformation Multi-Monitoaring Service

- Using satellite SAR interferometry, ground changes are detected with millimeter precision.
- SAR satellites enable rapid identification of deformation areas, supporting quick disaster response.
- Combined with 24-hour GNSS ground monitoring, the Multi-Monitoring Service provides detailed tracking.

Company name	KOKUSAI KOGYO Co., Ltd
Service Overview	- This service leverages satellite SAR data to efficiently monitor ground deformation. - SAR enables broad measurement of deformation areas and its mechanisms, allowing for immediate remote detection during emergencies like earthquakes. - When combined with traditional leveling and GNSS surveying, it achieves millimeter-level precision.
User	The MLIT, the MOE, local governments, transportation infrastructure companies and infrastructure companies
Satellite	multiple SAR satellites, including X-band, C-band, and L-band
URL	https://www.kkc.co.jp/service/lp/8363/



MOE） Manual on Satellite Utilization for Land Subsidence Monitoring



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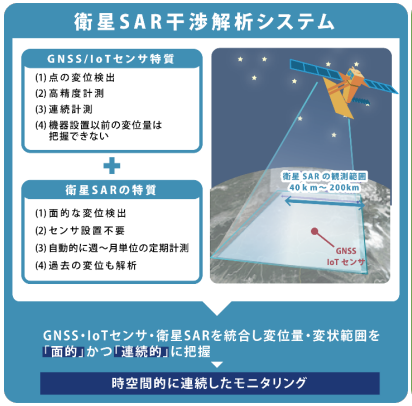
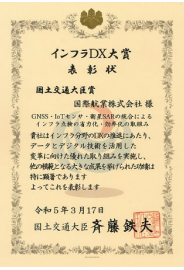
Ground Surface Monitoring for Shield Tunneling Projects





MLIT） R4 Infrastructure DX Award