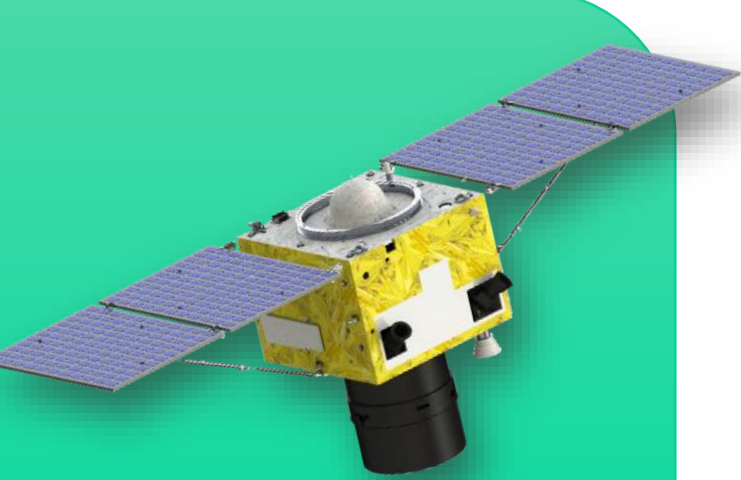




Enhancing Power Grid Safety & Reliability

ECURS

SHAPING A CONNECTED, INTELLIGENT WORLD TOGETHER!



Near Real-time Monitoring

Monitor transmission line corridors over time. Detect new hazards and infrastructure changes.



Wide Coverage

Monitor large or remote areas effortlessly, no matter where your projects are located.



Cost-Effective

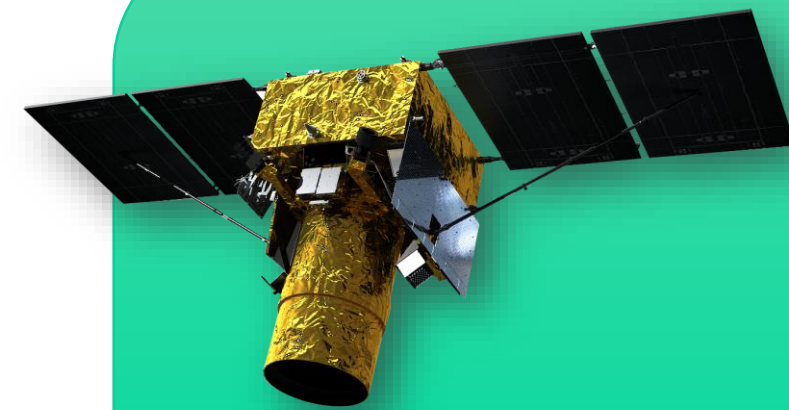
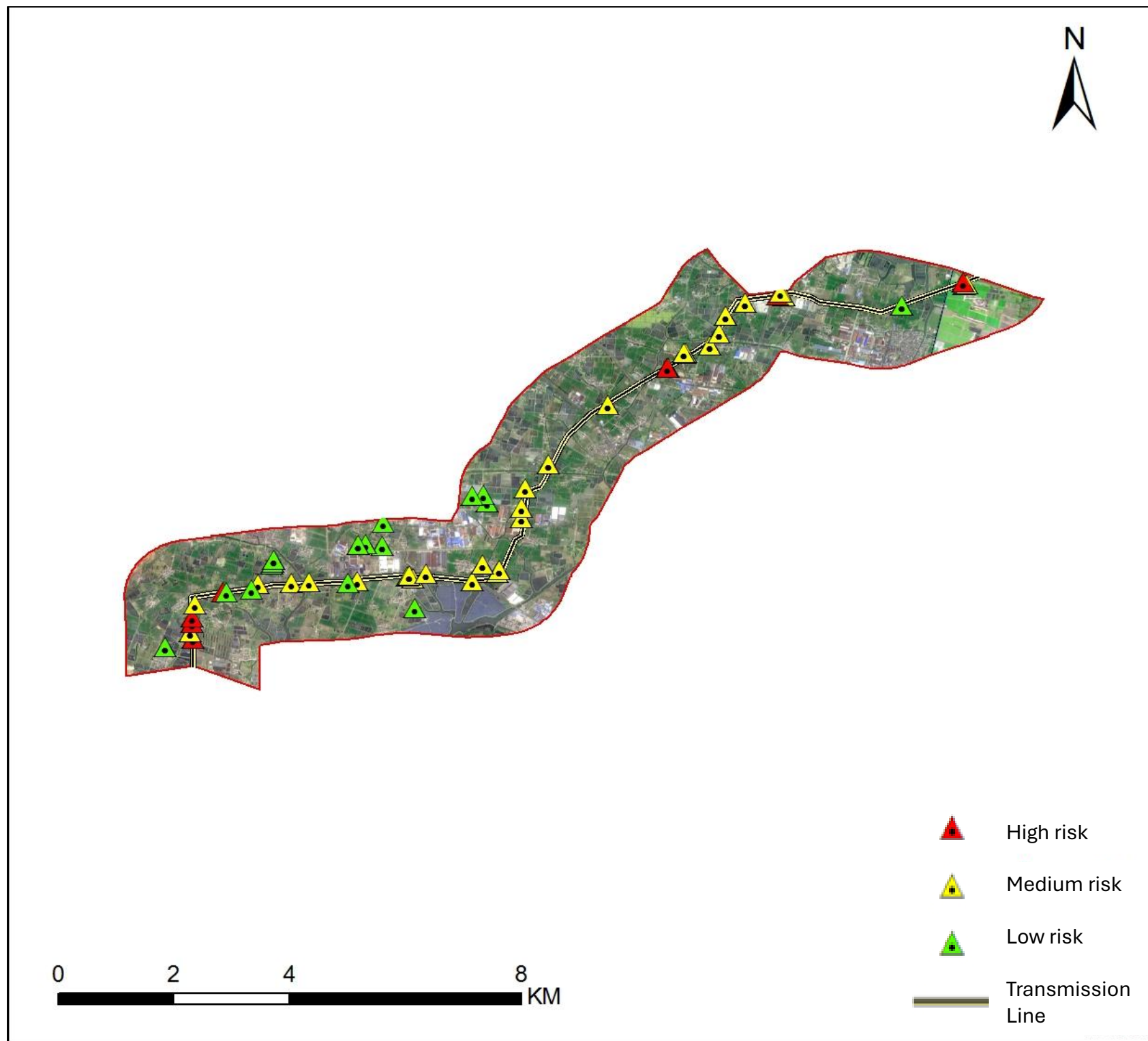
Reduce the need for on-site visits and manual inspections, saving time and resources.



Efficient Inspection Planning

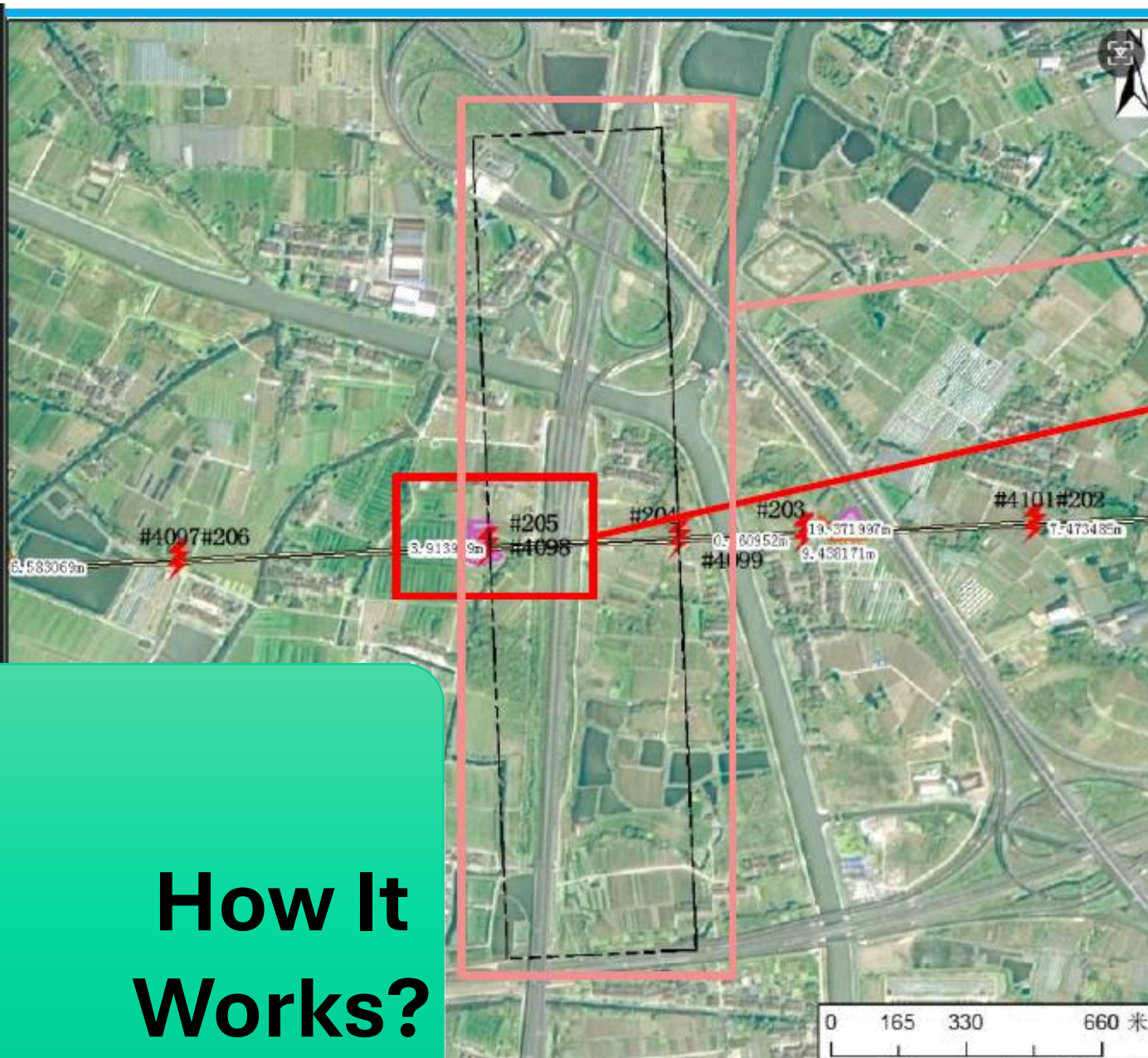
Prioritize high-risk zones. Optimize inspection schedules to reduce operational costs.





Electricity transmission lines are crucial infrastructure that must be constantly monitored to

- Prevent hazards
- Ensure operational efficiency
- Compliance with safety regulations



Use of time series satellite imagery
based on transmission line KV

Determining Inspection area

Feature extraction and hazard assessment
based on feature and distance
(i.e., floating objects less than 5m from line)

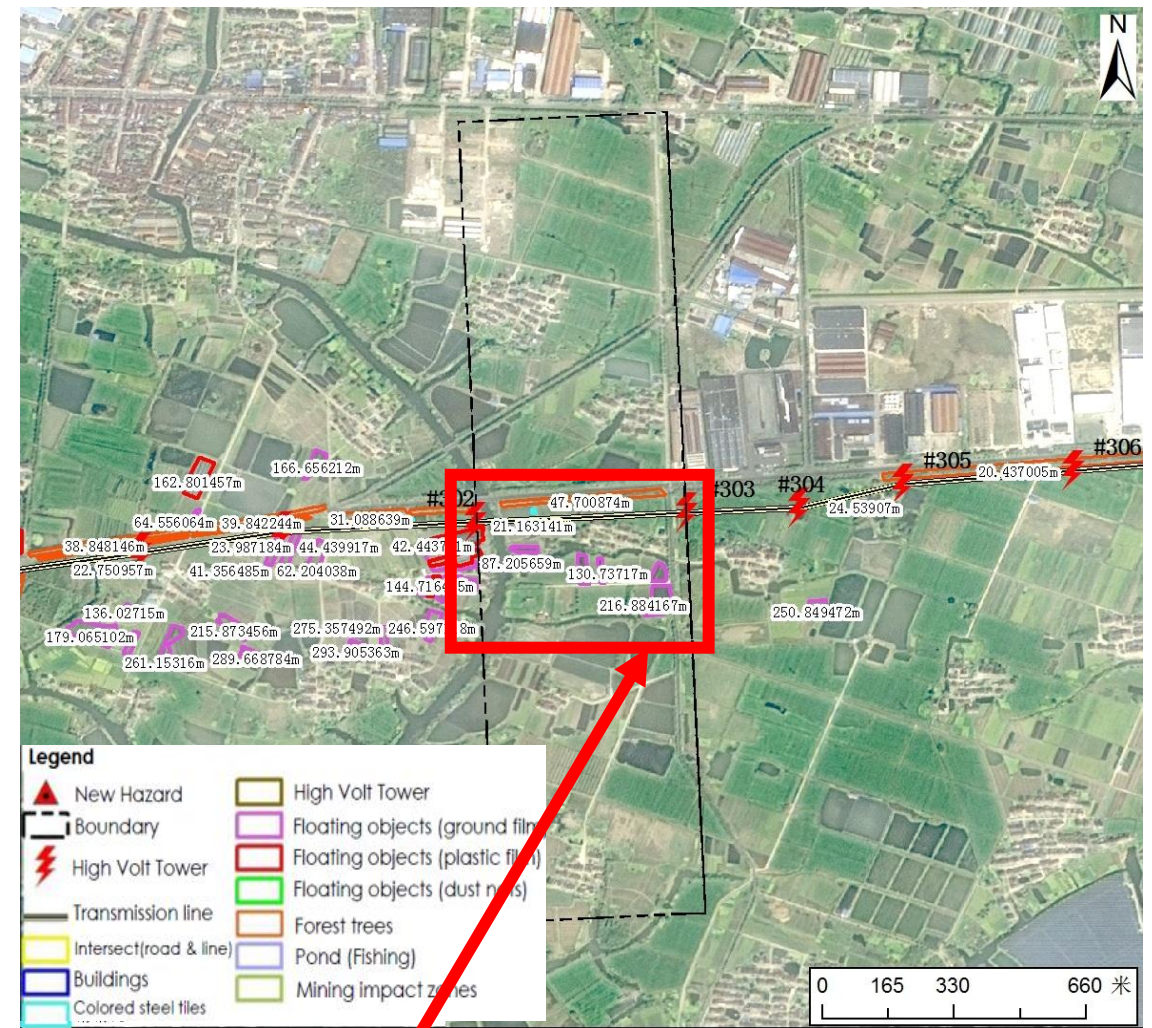
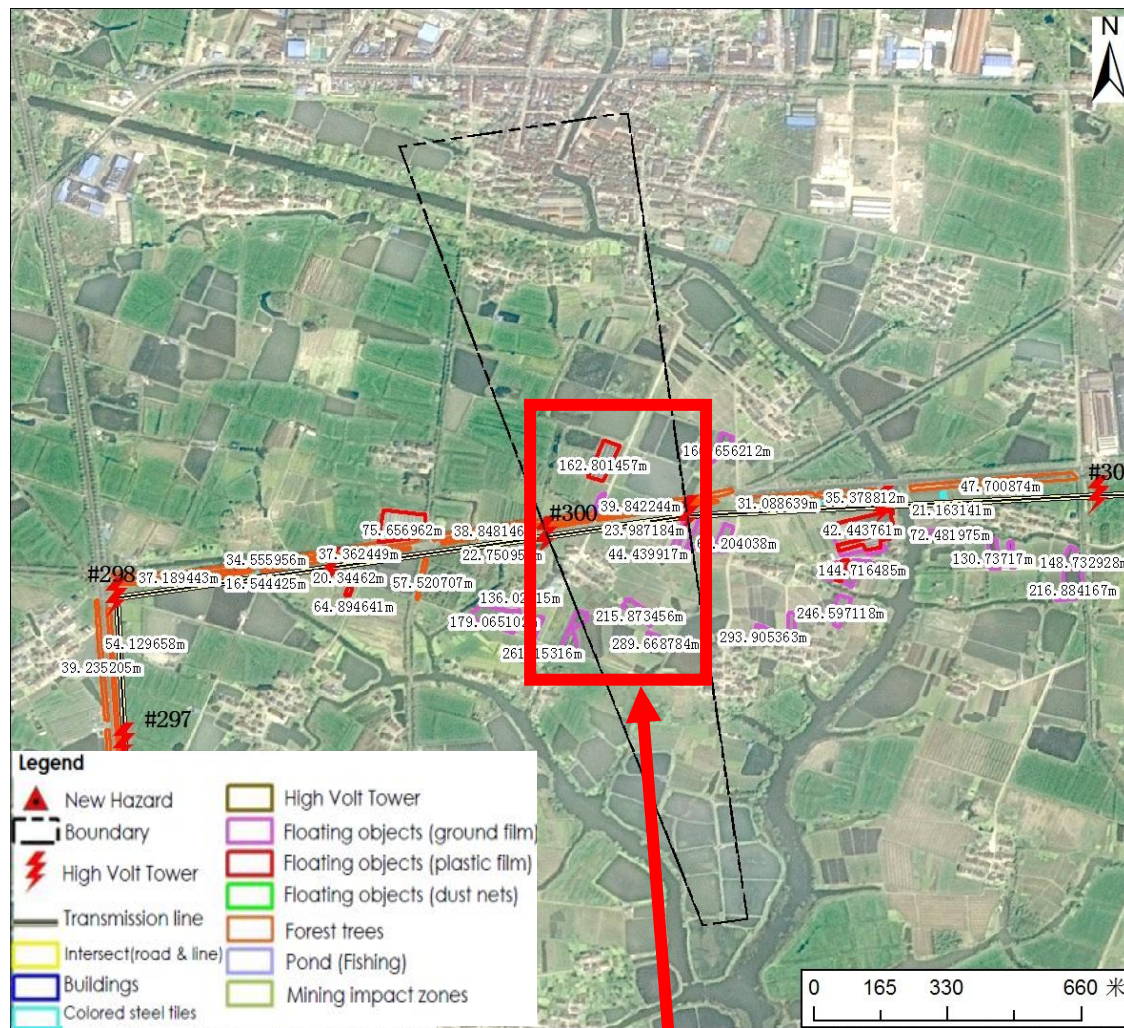
Cooperate and identify potential hazards
in area with experts

Legend

- | | |
|------------------------|---------------------------------|
| New Hazard | High Volt Tower |
| Boundary | Floating objects (ground film) |
| High Volt Tower | Floating objects (plastic film) |
| Transmission line | Floating objects (dust nets) |
| Intersect(road & line) | Forest trees |
| Buildings | Pond (Fishing) |
| Colored steel tiles | Mining impact zones |

How It Works?

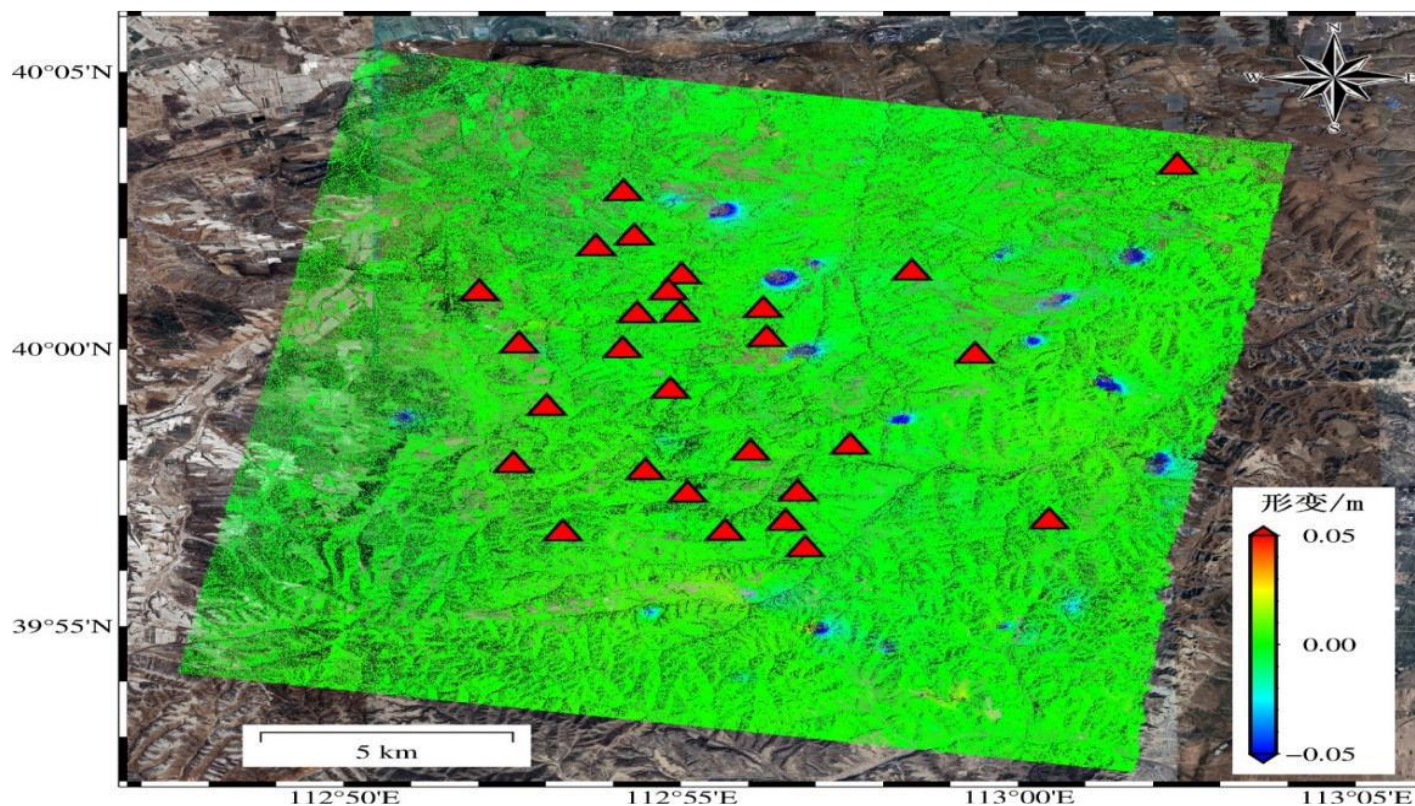
Examples



Hazardous floating objects are identified within the vicinity of the transmission line



Empower your grid operations with cutting-edge satellite technology!



1 Satellite imagery is collected for transmission corridors.

2 Automated detection of anomalies and hazards. Risk classification and reporting

3 Reports generated for maintenance teams. Operators receive prioritized hazard assessments.