

- User: municipalities, utilities sector and urban planning
- Challenge: keeping the cadastral/infrastructure data/maps up to date so it reflects the most recent situation for better city management and planning.
- Initiative: The SignalEyes geo-information updating service is developed by NEO to serve the needs of efficient and timely map/information updating from both public and private sectors.
- Results: 1) mapping the objects and the changes in the infrastructure (building, roads and pipeline etc.) data/map 2) keeping the information updated in the map regularly 3) automating the updating process based on EO data and Artificial Intelligence techniques.
- Impact: The service has been used for a large number Dutch municipalities to improve the efficiency of the map updating working process. The automatic change detection of current maps based on EO data has fasten the processing and reduced the conventional heavy manual work and therefore the cost. It has paved the new direction for future map updating.
- Service Provider: NEO BV

**Target 9.1: Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans- border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.**



Infrastructure data mapping and change detection

NEO mapping and monitoring services:

<https://www.neo.nl/topography-updating/>

<https://www.neo.nl/signaleyes-for-actionable-insights/>