



USE CASE

**DIGGING SAFELY:
HOW CBYD EXPERTISE
TRANSFORMED DUTCH
INFRASTRUCTURE**



As a prominent global group in construction technology, Sogelink specializes in providing innovative solutions for underground infrastructure management across various countries. With a strong focus on the “Call Before You Dig” (CBYD) activity, Sogelink has emerged as the European leader in this field, boasting dominant market share in both France and the Netherlands. Pioneering the CBYD market and playing a pivotal role in its design, Sogelink is recognized as the reference actor, setting industry standards and facilitating compliance with regulations. In this context, we will delve into the Netherlands’ case, where Sogelink’s expertise and solutions have been instrumental in advancing efficient and safe excavation processes.

Regulations

In the Netherlands, compliance with CBYD regulations is governed by the WIBON law (Information Exchange Above Ground and Underground Networks Act). Sogelink, as a service provider, plays a key role in ensuring compliance by offering essential knowledge and software solutions. Sogelink facilitates seamless information exchange by converting network operator data to Land Registry standards and providing crucial software tools.

Data security

In the Netherlands, one critical aspect of data security revolves around user identification. Sogelink’s software solutions prioritize this verification process, ensuring that only authorized users can access and submit requests for underground asset information. Through stringent authentication measures, such as multi-factor authentication and user verification protocols, we guarantee the integrity of the system, safeguarding against unauthorized access and potential misuse of sensitive data. This emphasis on user identification reinforces the confidentiality and reliability of the information exchange process, aligning with the stringent data security requirements mandated by the WIBON law.

The WIBON process, managed by the Land Registry, involves four main entities:

1

Groundwork contractor

Initiates the process by engaging with the Land Registry’s online platform to define the work area, timing, and project nature accurately, ensuring precise information for all parties involved.

2

Network operator

Provides accurate above-ground and underground asset information to the Land Registry, following standardized data exchange protocols and continuously updating the Land Registry database.

3

Land Registry

Acts as a coordinator, facilitating communication between groundwork contractors and network operators through a uniform app-based interface, ensuring detailed and standardized asset information without the use of paper versions.

4

Service Provider - Sogelink

Offers a tailored system for network operators, streamlining compliance with legal obligations by handling tasks such as asset supply, data revisions, request processing, and disruption notifications via various channels.

Almost 60% of asset owners in the Dutch market use our software solutions, and by 2023, we expect to process/handle 70% of all CBYD requests with our software annually, with a projected increase each year. Our self-developed app solution provides detailed and standardized asset information, eliminating the need for paper versions. We continuously innovate, including preparations for AR visualization and adding new data sets like contaminated soil.



Flexibility in data supply

Accommodating various standards with conversion scripts tailored to each network operator's data format.



Conversion and checking process

Updating source data through partially or fully automated conversion, checking, and uploading based on network operator preferences.



Versatile API

Seamlessly incorporate new datasets and facilitate data exchange with external parties.



Support and close collaboration

Offering legal and process domain support through our helpdesk, enhancing efficiency, collaboration, and safety of above-ground and underground networks.

Our commitment to innovation and collaboration advances safety and efficiency in excavation processes. We actively share knowledge, technology, and best practices with other countries facing similar challenges.



Contact us

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