



RE Asset Management Infra

Software for asset management and maintenance of civil infrastructure

Operational management and maintenance of civil infrastructure are increasingly conducted under performance contracts.

In collaboration with project owners and construction firms and service providers, DEMO Consultants has developed a software tool that allows parties to monitor the operational management process efficiently with real-time possibility.

Under a performance contract, construction firms and service providers are responsible for civil infrastructure within a particular area for a relatively long timespan and must ensure repair as well as preventive maintenance. Performance agreements about the required level of quality are based on technical norms, either refer to standards or specifically formulated norms.

DEMO has developed the software tool RE Asset Management Infra, which enables the quantitative measurement of quality of the civil infrastructure, in order to assert control over time. Inspection and surveys can be performed objectively using condition scoring norm (NEN 2767) or visual measurement norm (CROW). By sending digital data directly from the site without any paper work in-between, the inspection processes are streamlined. This method significantly saves effort and time as actions can be taken immediately by the person in charge without assistance.

RE Asset Management Infra thus ensures smarter and cheaper inspections with higher and objective information value.

FUNCTIONALITY

Key features of RE Asset Management Infra are:

- Data entry and modification of survey information using an iPad;
- Inspection schedules can be updated simply by dragging on the screen in the capacity planning;

- Possible use in combination with visual measurement norm;
- Fast data processing, no time lag for users;
- Clear reporting including photos and GPS coordinates;
- Monitoring of inspection effort, actual condition, quality depreciation, maintenance planning, and cost spent;
- Project owners and contractors get real-time insight in the inspection data;
- Automatically generated samples for cross-check inspections;
- Steering and monitoring based on Key Performance Indicators (KPI).

HOW DOES IT WORK?

RE Asset Management Infra consists of three components:

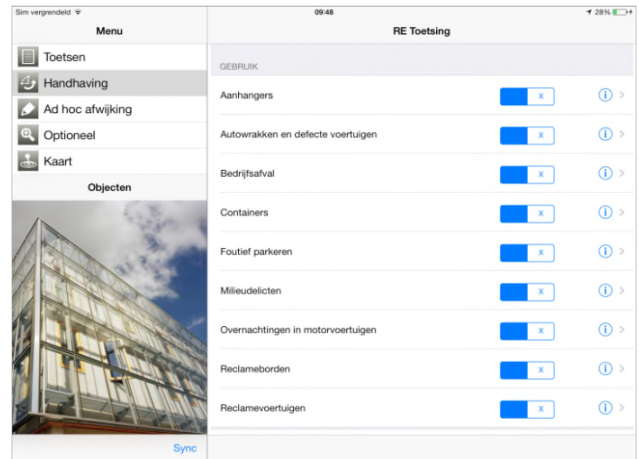
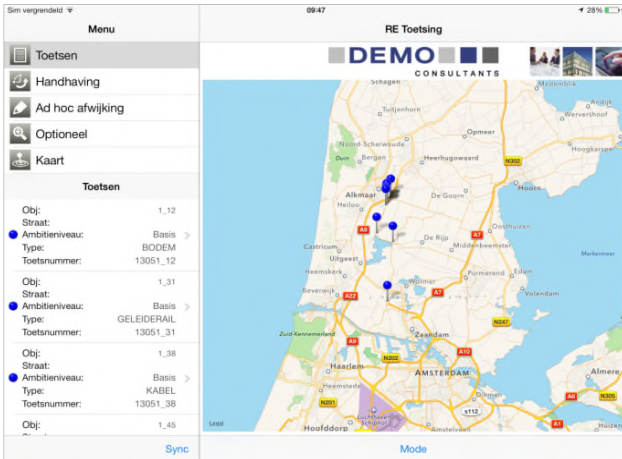
- The iPad: for registering conditional deviations;
- The Client Application: for both project owners and contractors for the purpose of recovery planning of conditional deviations;
- A Web Portal: to share information and results with directly involved stakeholders.

REFERENCES

RE Asset Management Infra have been used by the Municipality of Pijnacker-Nootdorp, the Province of Noord-Holland, construction firm Van Gelder, and the Port of Rotterdam.

INFORMATION

For more information about RE Asset Management Infra and supporting consultancy services please contact DEMO at: 015-7502520 or info@demobv.nl. For more information about the RE Suite, the complete software package of DEMO Consultants, check out: www.RESuite.nl.



INFORMATION

The Client Application has the following features:

Audit: Planning and managing audits and deviations;

GIS: Displaying objects and anomalies on the Geospatial Information System map;

Reporting: Generating reports in Word, Excel, PDF;

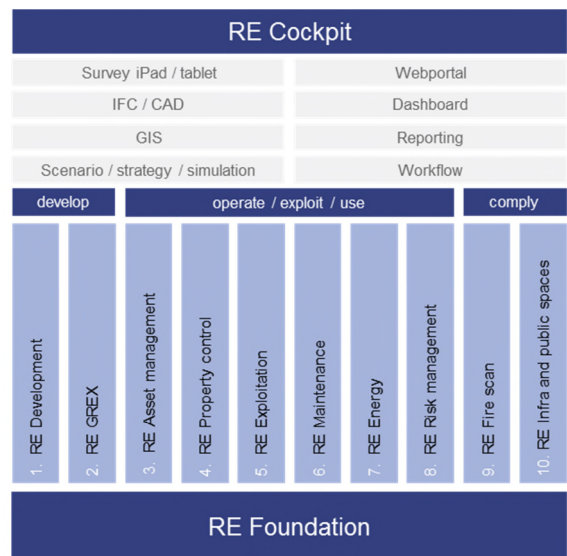
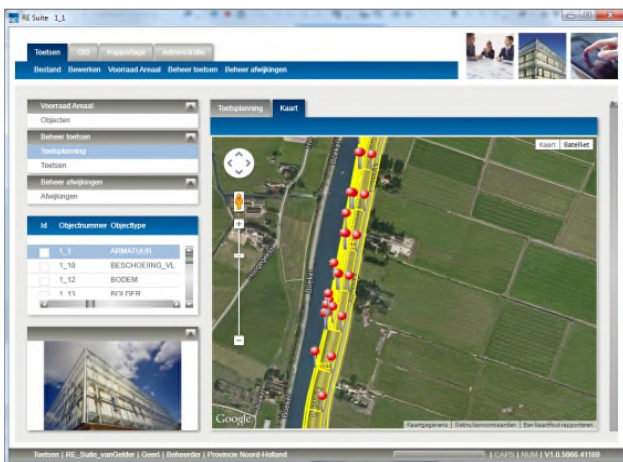
Administration: Importing and adapting technical standards.

Inspection data gathered on-site via iPad are fully synchronized with the data in the central system in the office. Any update made from the office is made visible real time on-site via iPad, and vice versa. This iPad application increases work efficiency by reducing inspection time and (human) errors, resulting in reliable and credible inspection reports.

Measured data are quantified in a uniformed way. The observed deviations can subsequently be linked to the appropriate actions.

DEMO RE SUITE

RE Asset Management Infra is part of the DEMO Real Estate Suite (RE Suite), a set of software applications that provide optimal management of real estate, civil infrastructure and public spaces. The software is implemented by local municipalities, construction firms, housing corporations, property managers, owners and operators of civil infrastructures or public spaces, such as the Port of Rotterdam.



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