



# SITE INVESTIGATION SOLUTION FOR A LABORATORY INFORMATION QUALITY MANAGEMENT COMPANY

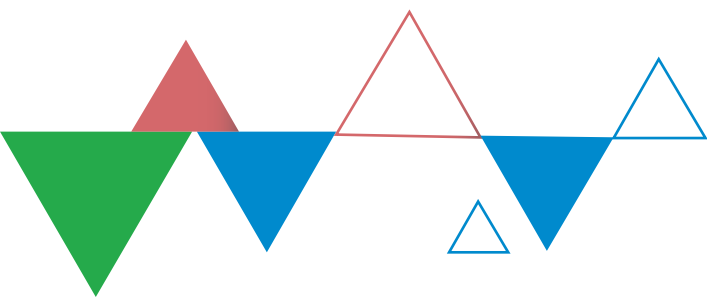
## About the Client:

The client is one of the leaders in the ME region, making compliance solutions exclusively for companies providing services in Testing, Inspection, and Certification globally.

These solutions include HR/Payroll, Lab Tests, Geo-Technical Investigations, Finance, Inventory, Sales & Marketing, Quality, etc. The client offers a suite of sophisticated Laboratory Information Management Systems (LIMS) Integrated with quality management standards and supports Manufacturing & Trading, Government, Shipping, Automotive, and Real Estate Management industries.

## Challenges:

Site investigations are done to obtain information about subsurface conditions at the site proposed for construction/-drilling etc. The client wanted to solve the challenges of capturing data from different sites and creating reports manually using traditional methods. This not only created inaccuracy in the data captured, but also consumed a lot of time. Another major issue was data availability across different departments. Moreover, the site investigation process has several sub-tasks specific to this process and has to be custom-built in the system. To address these challenges, the client wanted to build a site investigation system to manage the project activities at different drilling sites enabling them to plan, manage, track, and monitor project activities and employees at different drilling sites.





## Solutions:

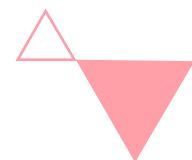
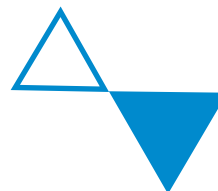
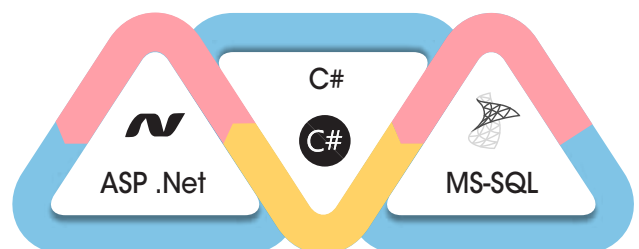
Centelon built a site investigation solution for the client that helps to manage the complete site activities in the drilling and soil testing process at different project sites with dashboards to analyse and monitor each process. Users can add and customise all tasks from the confirmation of the project to completion. Different types of reports are generated to analyse the daily works on the site. The invoices of the project are also managed in the system. Custom forms are built to capture the request and workflow of soil samples and tests from the site. The maps are optimised for low-bandwidth connections using a custom algorithm.

The solution captures the basic requirements of the project as soon as it receives a confirmation of the project. The completion of the confirmation phase allows the preliminary allocation of resources, such as the project engineer, as a step towards initial resource planning. Once the contract is signed, the project is registered in the solution with the date of drilling, date of reporting, invoicing, and payment details.

As the project nears the start date, the project engineer can create a resource and project plan with detailed information on the drillers, helpers, equipment, etc., using the site allocation module.

The progress of the daily work is captured in the production information module with a detailed report on day-to-day work. Soil samples from different pits can be identified and registered in the tool using the soil sample registration module, enabling the tracking of soil samples with correct identification and traceability. Based on the KPI requirement of the project, the registered soil samples are sent to the testing facilities based on the test allocation report generated by the system. The test allocation module identifies the test facility based on the KPI requirement and allocates the soil samples to it. The result is captured in the result summary module. On successful completion of the project, the system allows the generation of invoices to the customers. Customers can also access the system for payments against the invoices raised.

## Technology Stack





## Benefits:

- ✓ Effective project management with a real-time dashboard view of multiple sites with reports such as Gantt Charts, Daily To-Do lists, project status, etc.
- ✓ The solution can be integrated with the existing ERP system for a seamless flow of information within the organization for improved data availability and transparency.
- ✓ The client can manage all the site activities like surveys, inspections, field jobs, employee timesheets, etc. on a single platform
- ✓ Custom workflows were built and integrated into the system to improve process efficiency
- ✓ The solution was built to operate in low bandwidth regions to help employees work smoothly at remote locations



## Let's Keep in Touch

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