

Digital groundwater monitoring network

Project

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Doetinchem council

Customer

Doetinchem council

Country

The Netherlands

Background and objective

In the framework of the Municipal Water Management Act in combination with the water framework directive, Doetinchem council wanted to digitally manage the existing groundwater measuring network and at the start of 2011 this wish was transformed into a project. In principle, research was done into the feasibility of using the existing monitoring wells and expanding this with new monitoring wells. This research was summarised in an extensive requirement specification that serves as the basis for the entire project.

Eijkelkamp Agrisearch Equipment is a player of stature that can take care of things (Eijkelkamp Carefree Solutions). The knowledge and skill was built up during its 100-year existence and now the fruits of this are being harvested. In recent years,



Eijkelkamp has focussed upon taking care of its clients' problems. Measurement data is obtained in the field or remotely and easily converted into an attractive web page for managers of this data.



What equipment was delivered by Eijkelkamp 47 measurement locations were set up and equipped with Diver water level loggers and e-SENSE monitoring well modems for Doetinchem council. This modem, in combination with a pressure transducer in the monitoring well, records the correct rise height in relation to mean sea level. Every day the data is automatically sent to the council's central main station. The same data

Reference project

is also automatically sent to the DINO database via the TNO DINO format. The manager thus receives new data every day and thereby easily manages the measurement network. For validation and alarms, parameters are set up that are processed in the software.

Doetinchem council about Eijkelkamp

Bas Berends, Roads and Sewers Advisor of Doetinchem council reports: "The start-up meeting went well. Eijkelkamp listened to our wishes and translated these beautifully into the design plan 'Expansion and automation of the groundwater measurement network of Doetinchem council'. The project has run successfully right up to the present." Ruben Pot, Senior Account Manager of Eijkelkamp: "Every client receives a bespoke service and can expand in the future if desired. As a result, unnecessary costs do not have to be incurred. The customer is in a good position to make choices and set priorities." Both customers are satisfied that a good, well-functioning measurement network will be in place after the completion of the project.

