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Data management and presentation of geotechnical data

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Fugro Survey AS is a part of the Fugro Group. Fugro's mission is to be, worldwide, the leading company and service provider in the collection and interpretation of data related to the earth's surface and sea bed and the soils and rocks beneath and advising clients regarding these matters. Fugro Survey AS is involved in the Åkenes-Tafjord Landslide project and the Landslide Troms project in Norway providing instruments, data management, presentation and analysis software and warning system.

The presentation will give an overview of data managements, presentation of data and warning system and how these components work together to ensure that the client has full control of the movements and how sensors perform.

Data management and presentation of geotechnical data

The data management system is built to run on most known databases, such as Oracle, MS SQL and MySQL. The data is stored in a relation data model so other 3rd party software can consume the data. We have made a data administration and presentation software, GeODin, to make it easy for the client to administrate and present data. GeODin Portal makes it fast and easy to present data on web using the templates you make in GeODin. This gives the user the same "look and feel" for both web and desktop presentation. GeODin Guardian monitoring the sensors and triggers alarms if sensors stop sending data or if the values exceeds set threshold values. GeODin Guardian sends out a SMS and e-mail to the responsible person for the instrument when an alarm is triggered. It also flags the sensor in the database so everybody using

the data immediately sees that there is an alarm on this sensor. Data from the different instruments are imported automatically to the database; this always gives the user the latest data.