



1 Permanent Groundbased Differential Interferometric Radar System Installation for Remote Monitoring

2 Richard Norland

IKT System Partner AS, P.O.Box 219, NO-1501 Moss, Norway (Richard.Norland@ispas.no / + 47 92252612)

IKT System Partner AS (ISPAS) has developed and installed a permanent ground-based differential interferometric radar system for the monitoring of movements in a mountain area on the west-coast of Norway. The distance to the area is approximately 3 kilometres from the radar. The data are presented remotely in real time and a warning can be issued automatically to the relevant authorities if movements are registered.

The paper presents one year data using high temporal interferometric radar measurements and presents relevant experiences for the installation of the permanent radar monitoring of the Akneset rock slide area.