

## Case study on SPRscan multi-channel

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### Multi-channel SPR system

Based upon its successful SPRscan design, ERA has recently tested its new eight channel surface penetrating radar.

At a maximum scan rate per antenna of approximately 100Hz, the system is capable of 200mm forward resolution at 100km/h thus ensuring that high-speed road surveys may be carried out with a minimum of disruption.

Multi-channel radar systems offer a number of advantages over a single channel device. With a number of antennas mounted side by side, a broad swathe of ground can be surveyed in one traverse, increasing the area of ground that can be surveyed.

The benefits in terms of productivity and increased cost-effectiveness are significant, important for quality control and auditing of road construction.

