



Topcon's HiPer XT improves survey productivity

Company: von Geldern Engineering Co.

Location: Yuba City, California

Project: Six-acre rural land survey

Location: Sierra Nevada foothills

Scope: Establish property corners and lines

Topcon Products:

HiPer XT GPS+ base / rover

FC-2000 field controller

TopSurv software



Von Geldern Engineering, established in 1911, is a traditional civil engineering/land surveying firm that offers a wide range of professional services. Recent projects include consulting services for levee districts, small subdivision designs, rural land surveys, and topographic surveys of orchards.

For many years, von Geldern's field crews used conventional survey instruments – a total station and a level – to perform land survey and construction layout tasks. Terry

Terry Broadhead, survey party chief

Broadhead, survey party chief, introduced his company to GPS surveying with the purchase of a Topcon HiPer XT base/rover system.

Talking about the advantages of the new Topcon equipment, Broadhead said, "I like the simplicity of the HiPer XT. Both units and the FC-2000 field controller fit in one case that's smaller than that of a robotic total station - and it weighs a lot less. The TopSurv software is easy to understand. You don't even need to be a surveyor to use it if you understand some basic concepts."

On a recent survey of a rural parcel in the heavily wooded Sierra Nevada foothills, Broadhead used the HiPer XT to bring in control from nearly a mile away. "In the survey business, it's all about time," he said. "The time savings on this type of job with Topcon's GPS system, compared to conventional survey methods with a total station, is days, not hours."



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