

TPS400 used for landscaping in Japan



Task

Use of TPS400 Total Station for Landscape Garden Design

Customer

CSS Gijyutsu Kaihatsu, Japan

Date

Installation December 2002

Project Facts

Instruments

- TPS400 total station

Applications

- Analytical field measurements
- Stake out of design data
- Quality check and assurance

CSS Gijyutsu Kaihatsu (CSS), Japan, is a well-known landscape garden designer and system provider for landscape gardeners. The company designs plans for big gardens and parks with their CAD system, transfers the data to its PDA and finally stakes out the design as planned. They are using a Leica TPS400 Total Station for their stake-out work and analytical measurements because of its flexible data format, high measurement speed and accuracy.

Before CSS purchased a LEICA TPS400, they used Sokkia total stations for their field measurement work. Their CAD system called "Rakuraku CAD (easy CAD)" and their PDA called "Omakase-kun Pro (Reliable friend Pro)" have been developed on the assumption that they are used with Sokkia total stations.

When CSS were introduced to the LEICA TPS400 total station, they were very impressed by the unique instrument features, particularly the flexible, user-definable data exchange format and the high measurement speed and accuracy. These features led them to the decision to install the TPS400 into their system in December 2002.

The data from CSS's systems can be used in the TPS400 without difficulties thanks to the customized format. This simplifies stakeout in the field of the design data stored in the PDA, and also the upload of field data needed for revision of an old blueprint.

In addition, with TPS400 the surveyors can do their field measurement jobs much faster and more conveniently than before due to the instruments' high measuring speed and the extended reflectorless measurement option up to 170 metres.

CSS is very pleased with the TPS400 total station because the instrument is very reliable and simple to use. As a system provider, CSS is always motivated to provide the best solution to customers. The TPS400 total station is fast, reliable and flexible, perfectly suited for the requirements by landscape gardeners.

Benefits

- Customizable data format allowing easy data transfer
- High measurement speed and accuracy – saves time and increases productivity
- Distance measurement with or without reflectors
- Reliable and easy to use



"CSS is very impressed by the EDM of the LEICA TPS400 total station and is really pleased with the instrument."

**Mr Yuzo Takashiro
President
CSS, Japan**

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Application Report: Landscape Garden Design