

Leica Geosystems TruStory Sign Board Measurements Myungjin INC.Co.LTD



“The Leica DISTO™ D8 helps me get the exact reference distance” (Chang Geun, Yun)

Myungjin INC is a software solution development company based on the U-business platform. Unlike most other software firms, Myungjin uses its software as the basis of providing a total solution to a customer’s problem.

With the growing number of outdoor advertising and displays, the government embarked an initiative in 2006 to manage the commercial clutter in the cities of South Korea.

Policies and strict guidelines were drawn up to manage nature and size of signboards.

The initiative also involved a massive task to create a database of all buildings and signboards. This involved a lot of physical measurements on site.

Challenge

Traditionally they used the measuring tape for most measurements.

However, taking measurements on site is by no means an easy task. The presence of permanent fixtures, time limitation and prohibition of assisting equipment such as ladders and scaffolding, making the measurements of heights a mammoth task.

Where physical measurements were not possible, they would take a digital photo to make scaled measurements.

Where many measurements were needed or the dimensions critical they had to rely on a theodolite. They encountered many problems and difficulties. They had to do a lot of climbing and stretching when using the measuring tape and sometimes they needed 2-3 persons.

The digital picture could not give accurate results due to the dispropor-



■ Company

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■ Challenge

Measuring advertisement signboards on high buildings in the cities of South Korea

■ Solution

Measure reference distance with Leica DISTO™ and calculate the signboard size with software and PDA

■ Result

Easy measurements and managements of signboards



Chang Geun, Yun



■ **Product Highlights**

- Digital Pointfinder enables precise measuring of distances even if the red laser dot is not visible
- 360°-Inclination sensor allows clever indirect measuring functions for estimation of heights - a clever solution when direct measuring is not possible
- Bluetooth® functionality datatransfer to PDA, etc. In combination with software from Myungjin an easy and quick solution for establishing database

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portion and scaled measurements. And the theodolite involved some time to set up and required some training.

The current methods either involved a lot of physical work or were sometimes dangerous. They had to find solutions that both save cost and time.

Commissioned by the South Korean Government, Myungjin INC developed the total signboard investigation system by combining their proprietary customised software, a PDA and the Leica DISTO™ D8. Users take digital picture with the PDA and use the Leica DISTO™ to take the reference distances and input these measurements into the software.

By pointing on key points on the digital image, the software automatically calculates and displays the dimensions of signboard immediately.

This software was first developed to work with the Leica DISTO™ A5.

After introduction of the Leica DISTO™ D8, the process was further simplified.

The Leica DISTO™ D8 does most of the work now and wirelessly transfers the data to the PDA. Thanks to its double tilt feature, the Leica DISTO™ D8 on a tripod tackles a wide variety of indirect height measurements in just a few measurements.

For instance, the remote elevation function displays real time vertical heights with just 1 measurement traversing the digital pointer. In cases where the signboard is in a position difficult to reach, the width and height can now be calculated by simply taking reference distance of opposite diagonal ends of the signboard.

Result

The Leica DISTO™ with its indirect functions simplifies measurements and management of signboards extremely.



Please find more information at www.disto.com