TECHSHEET

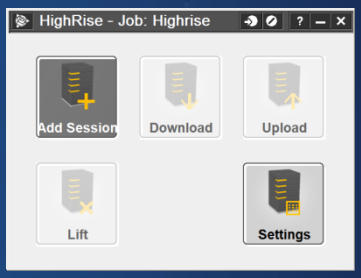
Trimble Access Software: SH HighRise

Key Features

Streamlined integration into Trimble 4D Control

Direct data transfer

T4D residual management



Secure and efficient high rise construction

SH HighRise

The SH HighRise software by SH Systemtechnik adds a powerful tool to the Trimble® Access™ family of applications.

SH HighRise connects to the Trimble 4D Control™ High Rise module to transfer data from Trimble 4D Control server and make them directly available on site in the Trimble Access software.

Streamlined workflows

The SH HighRise application act as the data manager for the field work – it is the bridge between Trimble 4D Control and Trimble Access General Survey.

SH HighRise interfaces with the Trimble 4D Control High Rise module to streamline communication and workflow: add new sessions in T4D from the field or download coordinates adjusted by tilt deflection from T4D.

You can also upload local coordinates – typically total station observations based on a local system – which then get reverse adjusted for the best possible values, such as during stakeout.

All survey workflows are performed as usual in Trimble Access General Survey.

Floor by floor

Using SH HighRise and T4D High Rise it's possible to build new floors quickly and securely.

For each new floor, install a set of GNSS receivers with integrated tilt sensors. The tilt is monitored and gets applied to the coordinates.

The integrated prism below the GNSS antenna can be used for total station resections. The coordinates of these prisms can be directly downloaded from T4D.

After performing a resection and checking the results it's possible to send the total station observations back to T4D – so that T4D can perform an integrated reverse adjustment based on tilt, total station, and GNSS observations.

All this allows the most precise stakeout on high rise buildings.

Note that this application works only in conjunction with the Trimble 4D Control High Rise module.

S+H

Learn more at:

http://apps.trimbleaccess.com

Trimble

Structure

MENU	DETAILS
Add Session	Creates a new session inside the T4D Control High Rise module. A session is like a container for a set of coordinates – such as a floor.
Download	Downloads the coordinates available for the current sessions. These are typically GNSS coordinates adjusted by tilt observations.
Upload	Used for reverse adjustments. Here the current total station stationing gets uploaded to T4D so it can create a combined adjustment based on all known inputs.
Lift	Ends the current session.
Settings	Defines the IP and port settings for the Trimble 4D Control High Rise module.

Data

DATA	DETAILS
Default points	Like Trimble Access General Survey: • Horizontal precision • Vertical precision job file via a custom database record.
HighRise points	HighRise imported points: • One sigma northing • One sigma easting • One sigma elevation

Report

FORMAT	DETAILS
Survey Report HighRise	Customized and extended survey report to reflect the additional values collected during the usage of the HighRise module.

More information

INFORMATION	
For more detailed information refer to S+H Systemtechnik homepage: http://www.sh-systemtechnik.de/	

Requirements

Supported Controllers

- TSC3 controller
- TSC2 controller
- Trimble Tablet 1 and 2
- Third Party Tablet

Languages:

- English
- … on request