# Excavator Practice
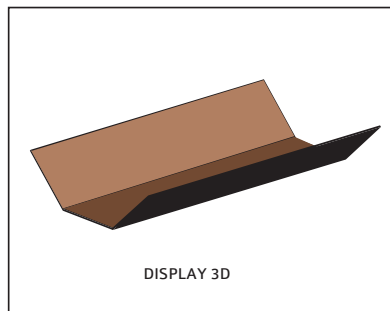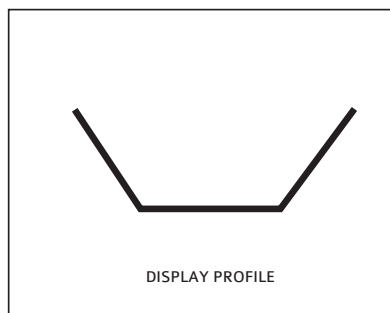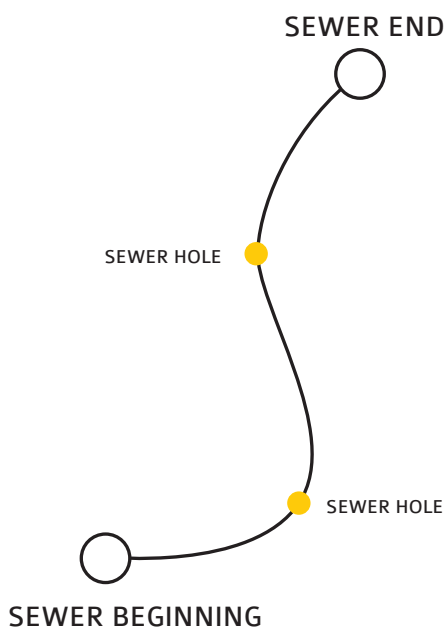
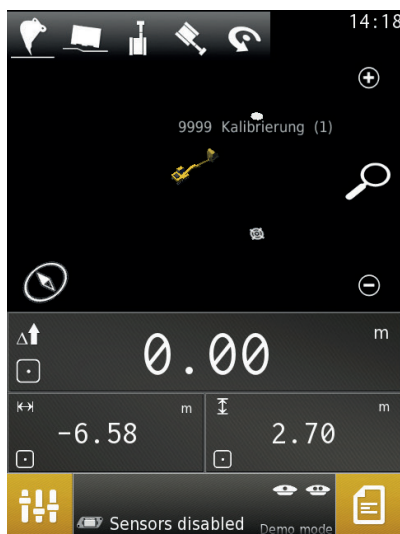Tips & tricks for the trench construction site
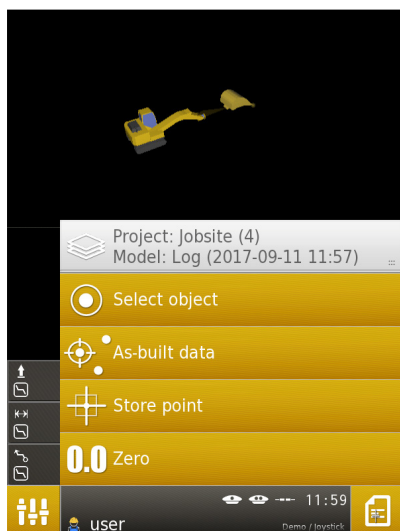
## DESCRIPTION AND WHY TO CHOOSE XSITE PRO

The aim is to create a complex trench without the need to create a design file in the office. As an example we want to create a sewer. The sewer holes are staked out by a surveyor. In the next chapters we will create the sewer layout using the Xsite Pro System by measuring the sewer axis and defining the cross profile.
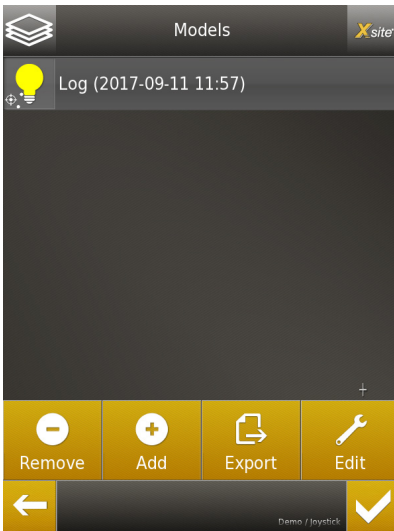


SEWER END

SEWER HOLE

SEWER HOLE

SEWER BEGINNING



DISPLAY PROFILE



DISPLAY 3D

## CREATE NEW PROJECT



1. Press the task button in the user screen.



2. Press ‚project: Jobsite'

## Models

Log (2017-09-11 11:57)

Remove | Add | Export | Edit

Demo / Joystick

**3. Press the arrow key on the bottom left for the projects.**

## Projects

Baustelle
Jobsite
Jobsite (1)
Jobsite (2)
Jobsite (3)
Jobsite (4)
bagger project landnova (2016 11 29 12

Remove | Add | Export | Edit

Demo / Joystick

**4. Add new project.**

## MEASURE AXIS / LINE

## Projects

Baustelle
Jobsite
Jobsite (1)
Jobsite (2)
Jobsite (3)
Jobsite (4)
bagger project landnova (2016 11 29 12

Remove | Add | Export | Edit
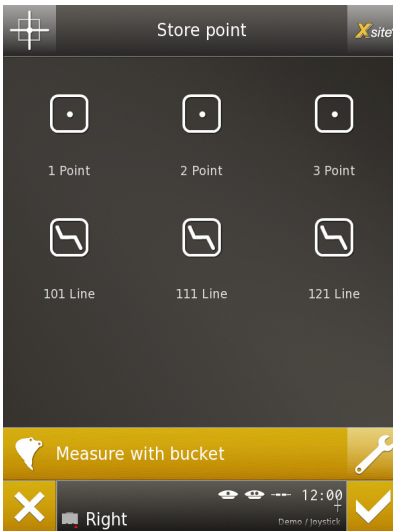
Demo / Joystick

**1.Place the bucket on the staked-out starting point of the trench.**
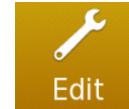
**2. Press task key**       and press ‚store point'       Store point

3. Select one of the three suggested line-codings. (101, 111 or 121) (A height adjustment of this point is possible via
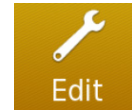


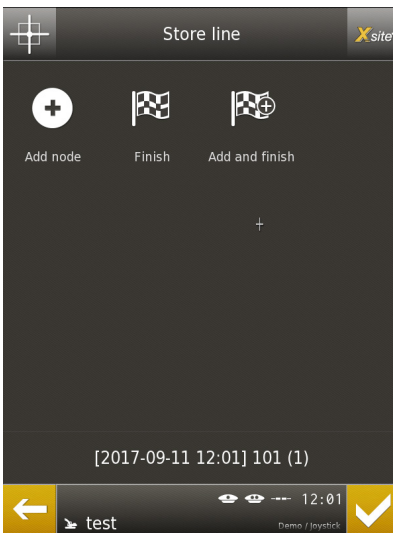3. Place the bucket exactly on the next sewer hole. Then, press

 and save the point by pressing 

A height adjustment of this point is possible via



## ADD NODE



(Repeat this as often as there are intermediate points in the axis). To finish the measurement of the axis please continue reading:
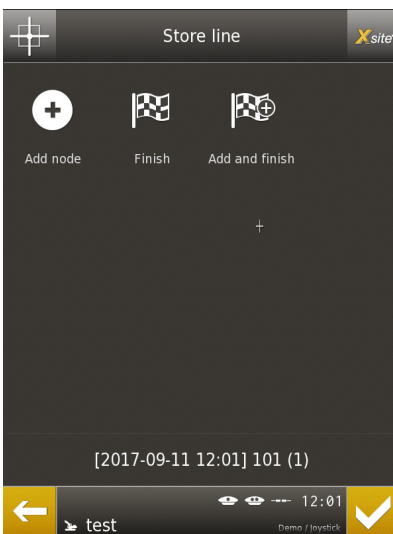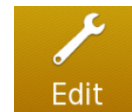
1. Place the bucket exactly on the end of the trench. Then, click on
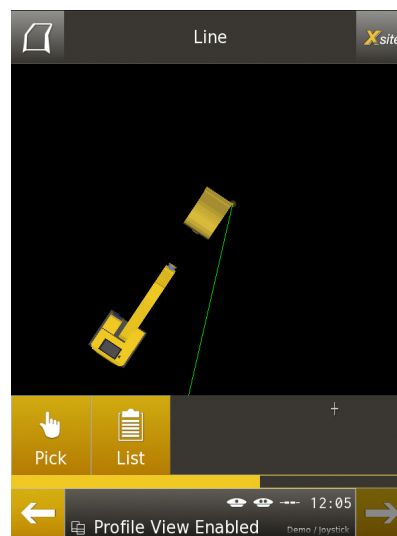
 and store point by selecting 

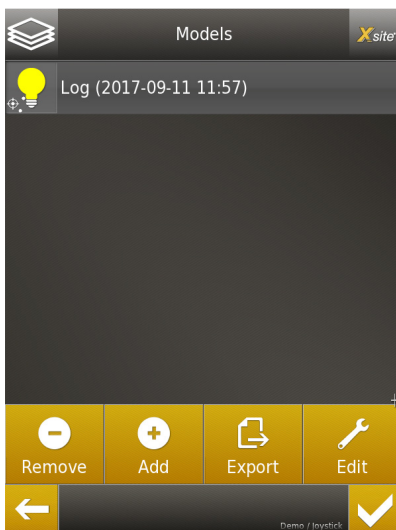A height adjustment of this point is possible via





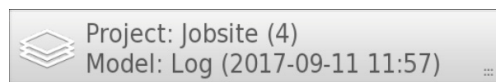2. Select ‚add and finish'. The result is an axis, which is displayed in the main view.
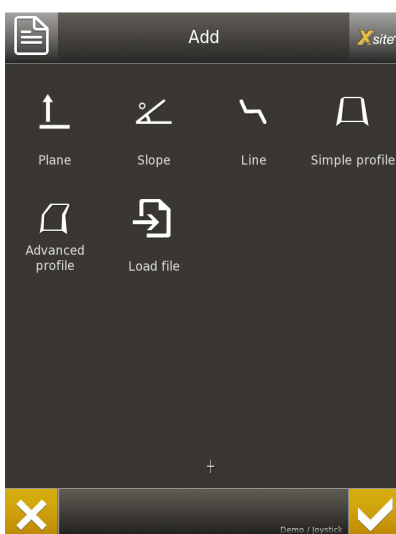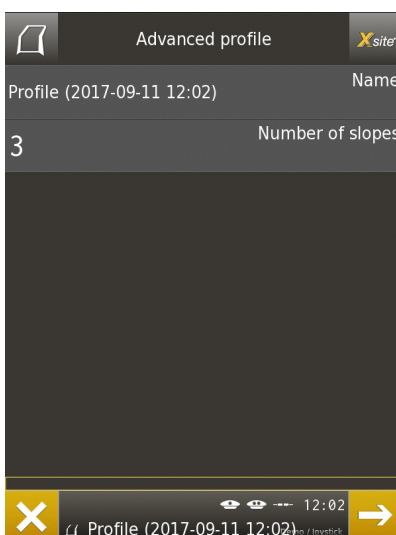
For example:



4

## CREATE A NEW, ADVANCED PROFILE

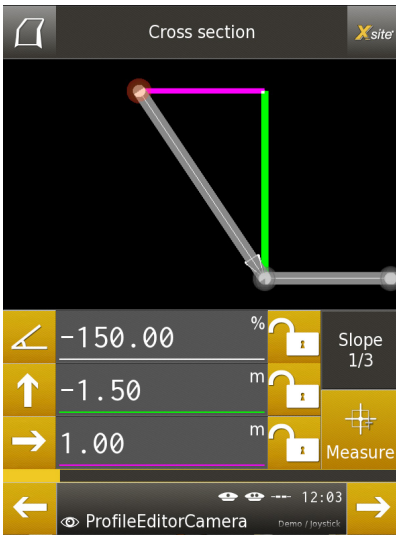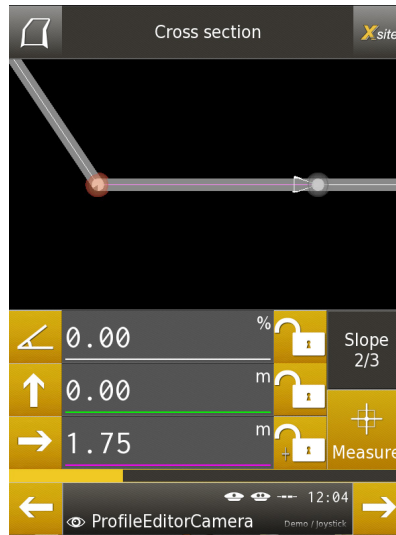Select first  , then the project menu key
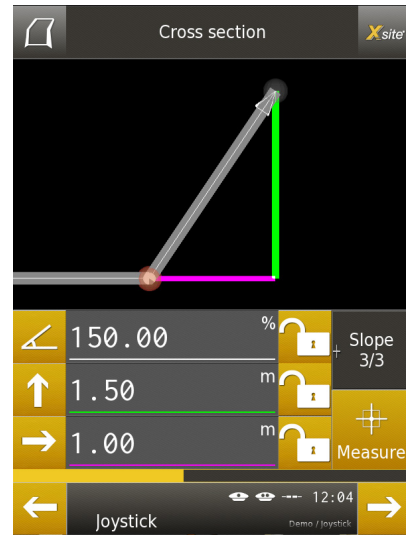
 and add tasks.

Advanced profile

It is possible to define a name for the profile. By defining the number of slopes it is possible to create a profile with multiple slope changes along the created axis.
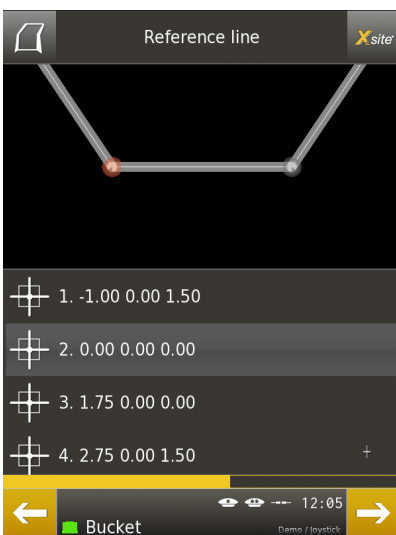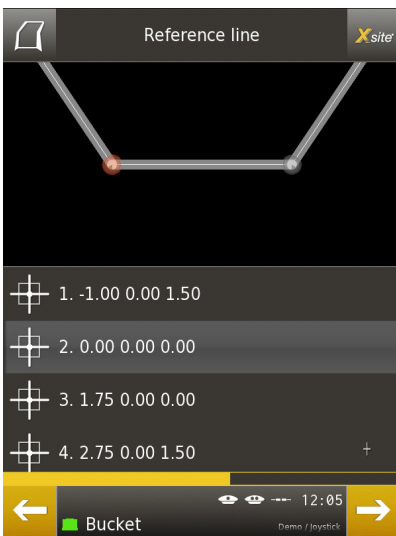
5

1. slope



2. slope



3. slope





Define the point on the profile that is mapped to the axis (reference line). Select axis for your profile: By selecting it from the map or from a list.

**RESULT:** the digital model of the sewer directly created on the excavator.

![MOBA Mobile Automation logo]

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