Course Description – 3D-Dig Linked Simulation Course

In this course you will learn how to use ***3D-Dig*** in ***Linked Simulation*** mode to link together Excavation and Dump templates. This means that when you excavate material, it is automatically dumped. This lets you greatly speed up simulations. This course shows you how to create slideshows from images captured automatically at key stages during the linked simulation. You will also see a brief demonstration of different simulation modes & modules in ***3D-Dig***.

Fundamentals Module

This module shows you the difference between using ***3D-Dig*** in ***Free*** simulation mode and in ***Linked*** simulation mode. After a brief demonstration of different simulation modes & modules in ***3D-Dig***, you will learn how to work with image capture settings and with linked simulation templates.

Modes & Modules

In this lesson, you will see a brief demonstration of various simulation modes & modules in ***3D-Dig***. You will then learn the difference between using ***3D-Dig*** in ***Free*** simulation mode and in ***Linked*** simulation mode.

Simulation Templates

When you work in ***Linked*** simulation mode, you use both excavation and dump templates simultaneously. In this lesson, you will learn how to do this. You will see the meaning of each setting in the Linked Simulation dialog box. You will also set up capture settings, to automatically capture images at key stages of the linked simulation.

Applications Module

In this module, you will set up multiple simulation templates and apply them to excavation and dumping of coal and waste seams. You will learn how to excavate in parallel in two different directions and how to capture images during the simulations. You will capture images automatically and learn how to create slideshows based on the captured images.

Two Templates

In this lesson, you will set up a second linked simulation template. You will then see how to adjust settings to continue excavating with two simulation templates and you will progressively

excavate with these two templates. This lesson will also show you how to set up image capture settings with two templates, and how you can deal with different simulation options.

Dig in Parallel

In this lesson, you will continue digging in parallel with two simulation templates. You will be asked to do part of the digging by yourself. You will also learn how to use important parameters of the ***Linked Simulation Settings*** dialog box when digging in parallel with two linked simulation templates.

Coal & Slideshows

In this closing lesson, you will set up a linked simulation to excavate the upper seam coal. The lesson finishes by telling you about different ways to use the images captured during the simulation. You will create a slideshow from these images and learn how to import the images into other demonstration and viewing software.