

by **NIGEL DAVIES**
 version **1.1**
 date **SEPTEMBER 2015**
 approved **DGH**

EVOLVE TECHCON LTD
 HAYESFIELD • PIONEER AVENUE
 BATH • BA2 5QX • UK
 ADMIN@EVOLVE-CONSULTANCY.COM
 WWW.EVOLVE-CONSULTANCY.COM

TRAINING SYLLABUS

GENERATIVE COMPONENTS SCRIPTING

no. of delegates	Up to 6 maximum.	
description	This one day course provides a deeper insight into the use of Generative Components through its scripting language.	
prerequisites	A basic working knowledge of GC.	
objectives	Attendees will learn to develop their use of GC, introducing the concepts of scripting. The session will also teach interaction between GC and other software, including MicroStation and Excel.	
	<ol style="list-style-type: none"> 1. CREATING & MANIPULATING GEOMETRY 2. SCRIPTS <ul style="list-style-type: none"> • Setting up scripts • Developing logical script concepts • Scripting loops • Scripting conditionals – Creating models that respond to changing parameters (environmental, contextual, site analysis and more) 	<ol style="list-style-type: none"> 3. GENERATING DATA AND DRAWINGS FROM THE GC MODEL <ul style="list-style-type: none"> • Obtaining input data from excel • Exporting model data to excel 4. EFFICIENT SCRIPT MANAGEMENT 5. GEOMETRY MANAGEMENT 6. SCRIPT DEBUGGING 7. OPTIMISATION LOOPS 8. CONTROL STRATEGIES <ul style="list-style-type: none"> • Law curves 9. INTERFACING WITH MICROSTATION