

## GIS Spatial Processing

### *Advanced Level*

#### *Course Overview*

The advanced level of Petris GIS training program is intended to provide knowledge on geodatabase, on Linear Referencing, Model Builder and in addition some workflows are provided in order to build data for 3D Analyst extension. Both classroom lectures and laboratory exercises will be used along with industry data sets to provide a working knowledge of the technology as well as its uses for asset management in the oil and gas industry.

#### *Prerequisites*

Intermediate level of GIS PETRIS training

#### *Objectives*

The course provides an advanced level of the use of ESRI GIS software ArcGIS. The course focuses on the way how GIS manages, creates Geodatabases and sets up topology rules. The course shows use case scenarios and applications of Linear referencing and on Model Builder.

After completing the course, students will understand:

- ▶ Creating a geodatabase
- ▶ Managing a geodatabase
- ▶ Setting up topology rules
- ▶ Creating a workflow of geoprocessing actions and saving it
- ▶ Understanding the usefulness of Model Builder
- ▶ Build a well deviation in 3D

#### *Course Format*

- ▶ All training is conducted in ArcMap 9.x
- ▶ Course notes, lecture materials, and training exercises are provided
- ▶ The course consists of both lecture and hands-on exercises
- ▶ The course is conducted by one or two Petris instructors

#### *Duration*

The course is conducted over a 3 day period at the Petris training facilities in Houston, TX, London, UK or Toulouse, FR.

For more information, email [training@petris.com](mailto:training@petris.com).