



### Objectives

This course is designed to provide users with the ability to develop applications by either using Exaquantum/Explorer or a third party package. The course will show both the Exaquantum API and the OLE DB/ODBC interfaces. It will also cover the creation and configuration of Alarm and Event Handlers.

### Who should attend?

This course is designed for programmers with a high level of Visual Basic skills and therefore attendance of a Mastering Visual Basic Course is recommended.

### Prerequisite knowledge

A minimum of 33 years experience in the field of functional safety, Bachelor degree as a minimum or equivalent engineer level and responsibilities status as certified by the employer

### Programme

#### Subject Areas:

- § The Exaquantum/Explorer User Interface
- § Customising the Application Launcher, Default Path, Workbook Viewer and Palette
- § Advanced configuration of ActiveX Controls
- § Full configuration of the Exaquantum/Explorer Trending, Alarm and Event summary, Excel Viewer and Web Browser controls. Design time and run time configuration
- § Configuring the runtime user environment using Workbooks
- § Configuring data bound properties using the Property Binder
- § Local Variables
- § External Data Variables
- § Thresholds
- § LocalVars property of TheView
- § Using controls to update variables
- § Introduction to parameterisation
- § Variable Replacement dialogues
- § Source string Find and Replace dialogues
- § Configuring script bound properties and event handlers
- § Scripts returning property values - Script bound Properties
- § Scripts associated with an event such as a mouse click - Event Handlers
- § Configuring subroutines, functions and variables to be used in more than one Document
- § Writing data back to the server including Data Entry Grid Control
- § Using standard intrinsic controls
- § Using the Data Entry Grid
- § Using Scripts
- § Creating Exaquantum/Explorer Document Templates
- § Review of Data Storage Concepts and Terminology
- § Multi-Server API
- § Single-Server API
- § Accessing Data using OLEDB from User Written Code
- § Reading Alarm and Event Data using the API
- § Coding On Demand Aggregations
- § Configuring Exaquantum Event Handling Applications

### Duration

5 days