DATRAN™ Training

Operator Training

Course Overview

DATRAN TRAINING & CERTIFICATION - OVERVIEW

QTech Data Systems Ltd supports a large number of DATRAN users across New Zealand. Many Local Authorities receive field support from preferred contractors and integrators, with QTech's endorsement.

There is a growing requirement in the Local Authority market for maintainers and operators of the SCADA and telemetry systems to be trained and certified by the manufacturer.

QTech has developed a training programme suitable for both new and existing contractors and integrators.

To best suit the diversity of electrical contractors, integrators and users, four training options are available.

Course 1 and 2 are suitable for users with little or no familiarity with DATRAN. The course provides a background to SCADA and telemetry and introduces the DATRAN product range.
Course 2 is specifically aimed at regular users of the DATRAN software and those with a working knowledge of computers.
Course 3 and 4 are for the experienced user with a significant amount of field experience and high levels of IT literacy.
Course 3 and 4 can lead to DATRAN certification by successfully passing the associated exam.

1. Training Course - DATRAN Product Overview
- Introduction to DATRAN hardware
- Overview of DATRAN VI SCADA Software

2. Training Course - DATRAN Operator Training
- Brief overview of DATRAN VI SCADA Software
- Detailed use of Supervisor, Trending and GUI packages
- Alarm management, data analysis, data exporting etc

3. Certification - DATRAN Telemetry Hardware
- DATRAN telemetry hardware
- Hardware interfaces
- DATRAN telemetry installation and maintenance
- System integration

4. Certification - DATRAN VI SCADA Software
- DATRAN VI – installation, operation and use
- Advanced configuration of DATRAN VI
- System diagnostics and fault finding

DATRAN OPERATOR TRAINING - LEARNING OBJECTIVES

Upon successful completion of the training course the attendee will:

❑ DATRAN SCADA System & Telemetry Hardware - Overview

- o Have a basic understanding of what an RTU is, how it communicates and what the SCADA base station is and does

❑ DATRAN Supervisor

- o Have confidence operating DATRAN Supervisor

- o Will be familiar with the layout, navigation and terminology

- o Have confidence in managing alarms with DATRAN Supervisor

- o Will be able to launch Supervisor and have an appreciation of access techniques and access levels

- o Will understand how to query the system via SMS texts

- o Will understand paged alarms and what to do with SMS texts, including acknowledging them

- o Will understand what mini trending is, the uses and limitations

- o Will understand the concept of a duty roster and be confident to change basic settings

- o Will understand the importance of "Notes" and using them as an electronic log book for important site work

❑ DATRAN Trending

- o Have confidence operating DATRAN Trending

- o Will be familiar with the layout, navigation and terminology

- o Have confidence in selecting and interpreting plots and how to superimpose an additional trend on to a plot

- o Understand how to search for historic data which is not currently displayed on the screen

- o Be able to create new plots and be confident to amend existing plots

- o Understand the difference in point and step plots

- Be able to export data in various formats for offline reporting

❑ Graphical User Interface (GUI) – DATRANVue (InTouch or iFIX)

- Have confidence operating the GUI

- Will be familiar with the layout, navigation and terminology

- Will understand colour schemes/conventions, warnings and alarms

- Will be able to launch the GUI and have an appreciation of access techniques and access levels

DATRAN Operator Training - AGENDA

The Introduction to DATRAN will cover the topics listed below to ensure the learning objectives are achieved. Although all topics will be covered, no specific times have been allocated, to allow flexibility and additional coverage of topics if needed by attendees.

All the sessions are interactive and much of the course will be practical with question-and-answer sessions, as far as time allows.

DATRAN VI Software & Telemetry Hardware
- Brief Introduction & Overview

DATRAN Supervisor
- Introduction & overview
- Detailed use and operation

DATRAN Trending
- Introduction & overview
- Detailed use and operation

System GUI – InTouch/DATRANVue
- Introduction & overview
- Detailed use and operation

Questions and Answers
- Specific Technical Questions, throughout the course
- Specific Field Customer Questions, throughout the course

COURSE CONCLUSION

APPENDIX A – COURSE LOGISTICS

The training programme is usually held at QTech's offices in Christchurch.

> 12 Midas Place
> Middleton
> Christchurch
> Telephone 03 3663713

Please check the "about us" tab on www.qtech.co.nz for a detailed map.
From Blenheim road, turn into Annex Road and Midas Place is the first left.

The training day is from 9.00am to 5.00pm.
Lunch is one hour from approximately 12.30 to 1.30pm.
There are 15 minute refreshment breaks in the morning and afternoon.

The full day training programme includes lunch, morning and afternoon teas.

Please download and print the training notes from the website and bring them to the course with you.
This material is ideal for pre-course study and will help ensure you maximise the value of the course.

To avoid any inconvenience upon your arrival, if you would like us to print some or all of the course notes and manuals for you, we will do so.
Please let us know prior to your attendance, which you would like printed, and any appropriate charge will be added to your invoice.

Any evening meals, accommodation and travel expenses are the responsibility of the course attendee.
QTech can provide transport to and from Christchurch international airport if required.