

ACADEMY DISCOVERY

ALL THE SKILLS YOU NEED FOR SOPHISTICATED INSTRUMENT
AND NETWORK CONFIGURATION AND CONTROL



MULTI-LEVEL TRAINING
PROVISION FOR
OPERATORS OF
MINIMUS DIGITISERS
AND INTEGRATED
DIGITAL INSTRUMENTS





LEARNING ACADEMY

Build your knowledge of how you can utilise Discovery to configure and manage your Güralp instrumentation and seismic data for maximal results.

INCREASE YOUR CONFIDENCE WITH USING DISCOVERY TO MANAGE YOUR NETWORK
EXPAND YOUR AWARENESS OF THE POWERFUL TOOLS AVAILABLE TO YOU
LEARN HOW YOU CAN MEET YOUR MONITORING OBJECTIVES WITH GÜRALP INSTRUMENTATION

The tools are at your fingertips

Our Discovery software is a powerful platform for our Minimus digitisers and digital instruments, providing a unified interface through which you can manage your seismic network.

Whether you are setting up a single station or a complex networked array, Discovery offers an extensive range of data and sensor configuration options as well as powerful instrument management and data analysis tools.

We have developed three Discovery training modules* that will allow you to access the knowledge you need at a level appropriate to you, regardless of your level of prior experience.

* Training is provided in Windows, with plans to accommodate Linux users in the near future, please inform us if you desire Linux training when you enquire and we will do our best to accommodate you.

In-house training team

All training content is provided as an interactive online webinar through our in-house support team. This arrangement allows you to train on our example systems maximising your hands-on configuration experience. You can also be confident that as and when we release new products or features, they will be incorporated into the training as a matter of course.

So, if you are a team of one, or a team of many, you can easily access the training you need.

In addition to these courses we also offer instrument training across our product range which includes bespoke in-person tuition, either off-site or, at our headquarters in the UK.

INTRODUCTORY

Learn how Discovery and the Instrument webpage provide you with the tools you need to manage your network.

Learn the basics in terms of viewing instrument and digitiser state of health, and how to perform data checks and analysis.

INTERMEDIATE

Gain confidence in using Discovery to manage and configure a network of instrumentation.

Learn how to use a variety of tools to assess and manage data, apply triggers and undertake quality assurance tasks.

ADVANCED

Become an expert in applying the full range of Discovery tools for your project objectives.

This bespoke module is designed entirely around your needs and provides the option to include training in additional resources such as Güralp Data Centre.

EMAIL: SALES@GURALP.COM TO BOOK YOUR TRAINING SESSION

COURSE CONTENT

INTRODUCTORY

ONLINE INTERACTIVE WEBINAR 1-2 HOURS

AIMED AT: New or inexperienced operators of Güralp instrumentation that utilise either standalone Minimus digitisers or digital instruments that are integrated with a Minimus (or both).

Course content includes:

- An introduction to Discovery and the Minimus webpage and what each is for
- How to download, install and update Discovery
- Key Discovery features and role as a unified interface for accessing data and instrument tools
- Where and how to access additional guidance
- An introduction to Minimus 'DIG' firmware and the Minimus webpage including configuration and permissions settings
- How to update DIG from Discovery and key considerations before starting
- 'Data viewer' tool introduction for viewing data files and data streams with guidance on performing basic checks and analysis
- GÜVÜ app and features Introduction
- An introduction to Güralp Data Centre

INTERMEDIATE

ONLINE INTERACTIVE WEBINAR 2-3 HOURS

AIMED AT: Operators who have completed the introductory course or have prior experience of Güralp Minimus based instrumentation (either standalone digitisers or digital instruments).

Course content includes:

- Configuring sensors in the Minimus webpage
- Source and edit sensor calibration parameters
- Configure Timing options such as GNSS and PTP
- Configure Data and Aux channels
- Export configuration settings to configure multiple digitisers at once
- Access different types of data and learn how to use them in 'Live view' using advanced features such as plots, viewing different channels, enabling calibration waves and checking 'Aux' outputs.
- An introduction to Registry and how to find and manage devices on a network
- An introduction to Discovery tools and their use cases. Tools including: MiniSEED Extractor, Command scheduler, Gap reporter, MiniSEED to Directory
- Set up basic threshold triggering
- An introduction to Discovery's Earthquake Early Warning capabilities and Common Alert Protocol (CAP) receiver, including low latency settings, industry standard triggering algorithms (STA/LTA) and CAP automated emergency notifications.
- An introduction to multidisciplinary systems, including settings for sensors such as infrasound or hydrophone and their use cases
- An introduction to Quality Assurance tools and how to use them
- State of health information, what each status means and how to view them on a map
- An overview of key features of Güralp Data Centre
- Troubleshooting

ADVANCED

ONLINE INTERACTIVE WEBINAR UP TO 6 HOURS

A comprehensive demonstration with detailed training support for application specific features within Discovery and the Minimus webpage.

AIMED AT: Teams or individuals who have completed Intermediate training and/or have experience with using Minimus units and Discovery software for over 3 years. The training will be tailored to meet the specific requirements of the operational team depending upon their intended objectives for the instrumentation and taking into account any other resources they are utilising, e.g. Güralp Data Centre

Some examples of specialist applications that can be covered include:

- Earthquake Early Warning
- Triggered alerts for microseismic monitoring such as for energy production
- Advanced network state of health monitoring



To book your training, please
contact your local sales
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