

Snell Academy

Morpheus Engineering

Course Code: SA AMMO 002

Duration: 3 days

Who's it for?: Engineers

Location: Snell Academy or on-site

Maximum number: 6 delegates



Additional Information: Delegates will receive all related documentation on CDROM or USB flash drive, including any relevant presentations and handbooks.

For courses held at Snell Academy sites, all lunches and refreshments are included.

Pre-requisites: Each delegate should have a good knowledge of broadcast IT and electronics, an understanding of serial and network interfacing techniques and be familiar with the range of equipment expected in a modern broadcast transmission environment. Delegates must also be familiar with Microsoft Windows.

Course Outline: The purpose of the Morpheus engineering course is to give engineers the knowledge and understanding required for fault diagnosis and maintenance of hardware & software components of a Morpheus automation system. An overview of the media management system and its main components is also covered. Delegates will learn the principles of operation of each element of automation as well as seeing the diagnostic aids available within the system. An understanding of the basic configuration is also provided.

Approach: The course takes the form of lectures, demonstrations and practical exercises. Delegates will be set tasks to configure, operate and fault-find a system, thereby ensuring a practical approach to gaining the necessary experience. Snell will provide individual PCs to be used in exercises to configure workstations and run applications.

Objectives: By the end of this course the delegate will be able to:

- Explain the function of all the system components, their operation, configuration and intercommunication.
- Explain device and device driver configuration.
- Troubleshoot and help diagnose system faults.
- Carry out a system installation, understand the deployment process and configure overall settings in the automation system.
- Explain the use of the online and offline editors.
- Interpret Morpheus status messages.
- Create, edit, import and export a MediaBall file.

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- Perform and understand a configuration backup and restore.
- Perform and understand a system disaster recovery.
- Have understood the internal structure of the media database and its relevance to workflow.
- Explain the basics of the media management system and its relationship with the automation system.

Detailed Agenda:

Automation

- Delegates will observe and operate a functioning automation system.
- The operation of the device controller will be explained.
- Device controller configuration backup will be discussed and practised.
- Interconnection to all equipment types will be explained.
- The use of the online and offline editors will be demonstrated and practised.
- All status symbols will be explained and demonstrated.
- All software components will be explained and discussed.
- Disaster recovery will be explained, demonstrated and practised

Exercise

- Delegates will configure the software components for an automation system, connecting to a server and database.
- Delegates will practice system backup and recovery.
- The system configuration tool will be used to edit system parameters.
- Delegates will create, load, edit and save a schedule.
- Delegates will create, edit, save, export and import a Media Ball.

Media Management

- An overview of the Morpheus Media Management system including network connections and database will be given.
- A detailed explanation of the internal structure of the media database will be given.
- The software and hardware components for relevant applications will be explained.
- Delegates will learn how to check for missing material and invoke material transfers.