

TRAINING COURSES

RIGGING AND AUTOMATION



SHOWSDT
Scene Design & Technology

RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

OVERVIEW



SHOWSDT is offering a series of practical courses designed for people working in the rigging and automation field of the performing arts industry.

Given by a team of experienced and certified instructors, these courses will enable the participants to master rigging and hoist operation from the basics up to the programming of 3D movements with specialized software.

TRAINING COURSES SUMMARY

- **SD-101** Basic rigging, fixed speed hoist operation and maintenance
- **SD-201** Fixed speed hoist certification
- **SD-301** Fixed speed hoist controllers
- **SD-401** Basic Raynok operation
- **SD-402** Advanced Raynok
- **SD-403** Raynok 3D

Participants will receive a training manual and an official certificate upon completion of the course.

The courses are given at our Montreal facility but can be adapted to any location. Please contact us at formation@showsd.com for courses schedule or to get information on personalized training sessions.

RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

SD-101

Basic rigging, fixed speed hoist operation and maintenance



What is rigging and what is it for.
Basic knowledge and nomenclature.

The hoist operator will also learn the basic
operation, maintenance, visual inspection
of fixed speed **SHOWSDT** hoists.

Ideal for sales representatives.

ITEMS COVERED

- Rigging Principle
- SHOWSDT products (hoist, rigging equipment, load cells, remote, and controllers)
- Connections
- Operation of SHOWSDT chain hoists
- Visual inspection of the hoist

OBJECTIVES

- Rigging nomenclature and purpose
- Overview of the hoist components and their functions
- Basic operation of the hoist
- Basic visual inspection of the hoist
- Basic maintenance

2 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 750\$ per person at our facility.

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RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

SD-201

Fixed Speed Hoist certification



Ideal for customers that want to handle their own maintenance and certification of their **SHOWSDT**.hoists.

Intended for motor shops and motor technicians.

ITEMS COVERED

- Fixed speed hoist inspection certificate (point by point)
- Chain
- Lift limiter
- Hook
- Chain bag
- Casing and sprocket wheel housing
- Electrical components
- Brake/clutch limit
- Gear box
- Load test

OBJECTIVES

- Perform a full inspection of SHOWSDT fixed speed chain hoists
- Oversee complete repair instructions (including gearbox)
- Achieve an exhaustive certification of SHOWSDT fixed speed chain hoists
- Improve troubleshooting skills for any SHOWSDT hoists.

3 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 1,250\$ per person at our facility.

The courses are given at our Montreal facility but can be adapted to any location. Please contact us at formation@showsd.com for courses schedule or to get information on personalized training sessions.

Fixed Speed Hoist controllers



Ideal for motor shops and rental companies that have a large inventory of fixed speed hoists and **SHOWSDT** hoist controllers.

ITEMS COVERED

- Coil configuration and characteristics
- Power distribution
- Direct control
- Low voltage control (Contactor control)
- Remotes
- Load cells
- Troubleshooting

OBJECTIVES

- Develop a thorough understanding of the electrical system, functioning of a chain hoist
- Overview of all SHOWSDT power distribution systems
- Understand the difference between direct and contactor control
- Understand load cells monitoring
- Improve troubleshooting and repair skills for all SHOWSDT controllers

2 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 750\$ per person at our facility.

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RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

RAYNOK



Automation Training

This training enables the operator to program, operate, and troubleshoot a motion-controlled system for shows or tours.

The operator will learn how to use the software Raynok to control **SHOWSDT** products like the Tour Lift, Servo Lift, Tour Trolley, etc.

TRAINING COURSES SUMMARY

This training is divided in 3 different sections, which must be achieved in order.

- **SD-401** Basic Raynok operation
- **SD-402** Advanced Raynok
- **SD-403** Raynok 3D

Participants will receive a training manual and an official certificate upon completion of the course.

The courses are given at our Montreal facility but can be adapted to any location. Please contact us at formation@showsd.com for courses schedule or to get information on personalized training sessions.

RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

SD-401

Basic Raynok operation



Ideal for motor shops and rental companies that have a large inventory of fixed speed hoists and **SHOWSDT** hoist controllers.

ITEMS COVERED

- Show file
- Setup IP addresses
- Axis group - link/unlink
- Views
- Cues - destination, wave, complex, command profile
- Edit mode / show mode
- Manual move cue
- Console

OBJECTIVES

- With a show file already built, overview of all Raynok capabilities
- Acquire the knowledge to safely run a show
- Operate the Imperium console

2 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 1,200\$ per person at our facility.

The courses are given at our Montreal facility but can be adapted to any location. Please contact us at formation@showsd.com for courses schedule or to get information on personalized training sessions.

RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

SD-402

Advanced Raynok operation



SD-401
must be achieved
to take this course.

ITEMS COVERED

- | | |
|---------------------------|------------------------|
| ● Setup show files | ● Creating axis groups |
| ● Controllers setup | ● Creating views |
| ● Axis configuration | ● Creating macros |
| ● Axis tuning | ● System alarm manager |
| ● Axis setting – complete | ● Constraints manager |
| ● Backup computer | ● Log file viewer |

OBJECTIVES

- Overview the complete setup of an existing axis
- Learn how to link a live backup computer to the main one
- Create Groups, Views and Macros
- Build all your cues, commands and profiles
- Learn how to use the System Alarm Manager, Constraints Manager and Log File Viewer
- Create and adapt a complete show file to your needs

3 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 1,250\$ per person at our facility.

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RIGGING AND AUTOMATION TRAINING COURSES FOR THE PERFORMING ARTS INDUSTRY

SD-403

Raynok 3D



SD-402
must be achieved
to take this course.

ITEMS COVERED

- Plane Rig setup and operation
- XYZ Rig setup and operation
- Flying Rig
- WYSIWYG
- DMX

OBJECTIVES

- Create a 3D environment in Raynok
- Create a Plane Rig show file and learn how to operate it
- Create a XYZ Rig show file and learn how to operate it
- Use WYSIWYG interface with Raynok (3D simulation)
- Overview of Wyg-It 2 interface device

3 days of 8 hours.

Minimum 2 students, maximum 6.

Cost: 1,500\$ per person at our facility.

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