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# DISTECH CONTROLS™

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## TRAINING CATALOG



Distech Controls Training offers a comprehensive curriculum that addresses a wide scope of technical proficiencies, whether you're an experienced creative professional, an entry level technician, or a service technician.

Our training offerings are flexible and provide to installers, dealer system integrators and end-users the knowledge and tools necessary to design, program, optimally deploy and operate Distech Controls solutions. We offer classroom training at our state-of-the-art facility in Brindas, France. Also, we provide training at authorised system integrators regional offices, at the customer's location or at the customer's job site.

We provide a high level of professional, hands-on and applications-oriented technical training, and step-by-step handled lab material. The goal of each of our training sessions is to help you achieve the technical expertise necessary to support your team and your customers.

Training price includes the EC-Net demo licence (for EC-Net training) bind to the integrator's computer, manuals, drinks and lunches.

## Training Overview

Title	Prerequisites	Audience	Duration	Training N°
<b>EC-gfxProgram interface ECLYPSE controllers and interface Building Intelligence</b>	Windows environment Network Bus like LON® / BACnet® Knowledge	Integrators ; Programmers ;	5 days	TR-6601-2
<b>EC-Net 4, BACnet IP Supervisor &amp; EC-BOS 8</b>	Windows environment BACnet® Knowledge	Integrators ; Programmers ; Project Manager	5 days	TR-4101
<b>Designer Advanced, dcLibrary &amp; Dashboard</b>	6601-2 certified	Integrators ; Programmers ; Project Manager	2 days	TR-6611

To see a schedule of offered classes refer to the training Information table below.

Training prices are available in the price list available on your site Documentation [Distech Controls PriceList\\_en](#). If necessary, contact your sales representative.

All training courses are preceded by individual preparatory work, Registration (subject to availability) is possible up to 72 hours before the start of the session, provided that the registration form is completed and sent to [trainingeuropa@distech-controls.com](mailto:trainingeuropa@distech-controls.com).

Distech Controls' training center is registered by the regional Rhône-Alpes administration.  
(Registration n° 82 69 1057).

**Should you have any questions or need for a customised training,  
please feel free to contact our office:**

**DISTECH CONTROLS SAS**  
Z.A.C. de Sacuny  
558 avenue Marcel Mérieux  
69530 Brignais – France

E-mail: [trainingeuropa@distech-controls.com](mailto:trainingeuropa@distech-controls.com)  
Website: <http://www.distech-controls.com>

**TR-6601/6602**  
**EC-gfxProgram interface**  
**ECLYPSE controllers and**  
**interface Building Intelligence**

The training TR-6601/6602 Course (Virtual or inPresence) will be presented by one of our trainers.

This training will allow the trainer to present our products, solutions, controllers, software tools and applications via an interactive online environment.

Expect to dedicate this course towards learning and interacting live with our solutions with other students.

Upon completion of training, the trainee will be able to:

- Select and install an ECLYPSE controller: ECY-S1000, ECY-303, ECY-PTU, ECY-VAV, ECY-STAT, APEX
- Discover Distech Controls hardware using xpressNetwork Utility.
- Configure the ECLYPSE controller (hardware & firmware) using the configuration wizard of xpressNetwork Utility or the Web Browser Interface.
- Configure the mechanical/electrical equipment using the various configuration interfaces: EC-gfxProgram Assistant Configuration, ENVYISION, MyDCCControl (preloaded application).
- Understand the Master/Slave configuration defined in the preloaded application distributed by Distech Controls.
- Understand the Smart Room Control solution developed by Distech Controls (One controller to manage the HVAC terminal + lighting + blinds + multi-sensor).
- Select the appropriate ECY controller based on the nature of the project.
- Create and manage a BACnet network architecture.
- Program a strategy using the EC-gfxProgram software interface.
- Configure network communication between controllers.
- Configure alarms, histories, and schedule using the EC-gfxProgram interface.
- Overview the Eclipse Building Intelligence Interface
- Configure and Discover Remote Devices
- Set Dashboards



*Example day - (European Standard time)*

9am	12pm	Trainer	is interactive with presentations and doing demos, Q&A
12.30pm	2pm	-	Lunch
2pm	5.30pm	Trainer	is interactive with presentations and doing demos, Q&A

The trainer will present and perform online demonstrations and will offer to perform the exercises with his assistance.

Each half-day will be punctuated by alternating presentations by the trainer and the completion of the exercises. The trainer remains available to answer questions during the exercises.

The trainer will systematically ask each participant if the concepts covered are understood and if they are in line with the trainees' expectations. The exercises will be carried out on the trainees' computers in interaction with the controllers provided.

**Technical requirements:**

**Hardware:**

Desktops
If remote session : Laptops & 2 screens + internet are required

**All sessions (Virtual or Remote)**

**Software privileges:**

Desktop, Laptop and Notebook admin privileges are required. Ability to disable Anti-Virus's, firewalls, etc. Ability to download into your registry settings such as EC-Net. Technical support can assist.

**Browser:**

Chrome is recommended. Be sure to install the latest version of Chrome as your preferred browser. If you are installing Chrome for the first time, the latest will be installed.

**Remote session**

**Internet Speed:** *Download speed of 10Mbps*

A reliable internet connection is 10Mbps or greater. To test your Mbps kindly go to: <https://fast.com/> and repeat this test 5 times it should average 10mbps. Note that a wired connection will yield better results.

**Equipment:**

Built in Microphone or external microphone
Dual Monitors or use your TV as a 2 <sup>nd</sup> monitor (one to see the LIVE instructor and another for hands on with solutions).
Camera if you would like to share your video (recommended)

**Pre-training preparation:**

The training requires that your computer be ready to interact with the controllers. As such, you will receive a procedure to follow to install the software and register on the Distech Controls website before the training session.

Day	Lab	Equipment needed
DO	Preparing computers Website subscription Software Center Forum subscription Learning Portal access → On Boarding module to follow (Mandatory) Builder subscription	Computer  Internet access

**Course Outline:**

Day/Time	Lab	Equipment needed
D1 AM	<p>Introduction/ Everyone's expectations <i>The trainer will be able to adapt the pace and content of the training as well as the accompaniment according to the trainees' expectations.</i></p> <p>Website presentation Forum and learning portal Check Installed software</p> <p>Introducing Distech Controls solutions ECY controllers</p> <p>Builder :Download a gfx program from Builder (HVAC Terminal Unit)</p> <p>IP Architecture – BACnet Architecture xPressNetwork Utility</p>	<p>Remote access to our controllers ECY-S1000 ECY-PTU-207</p>
D1 PM	<p>Commissioning an ECY-PTU-207 Preloaded Commission ECY on Project</p> <p>Companion mobile application &amp; xpressNetwork Utility</p> <p>xpressNetworkUtility interface ECY Web interface</p> <p>Download and Test gfx Program from Builder Specifications Test procedure EC-gfxProgram interface / Ressources viewer</p> <p>Master/Slave Configuration</p>	<p>Remote access to our controllers ECY-PTU-207</p>
D2 AM	<p>Summary</p> <p>Smart Room Control concept Subnet Configuration ECx light ECx Blind (Lighting and Stores) Room sensor devices (Unitouch) Uniwave configuration</p> <p>Master/Slave configuration (Light/Blind)</p> <p>Light calibration / Blind configuration</p>	<p>Emulator / ECY-PTU-207</p>
D2 PM	<p>Maintenance/ Backup Synchronisation upload Read and troubleshoot a gfx program</p> <p>Xpressgfx points</p> <p>Builder : ECY-S1000 Selection tool</p> <p>-Certification Part 1</p>	<p>Remote access to our controllers ECY-PTU-207</p>

D3 AM	<p>Summary</p> <p>Builder : Selection Tool</p> <p>Gfx Builder : Create a gfx program for AHU</p> <p>Import and run gfx program</p> <p>Specifications</p> <p>Test procedure</p> <p>EC-gfxProgram interface / Ressources viewer</p> <p>EC-gfxProgram overview</p> <p>I/O points configuration (Input / Output)</p> <ul style="list-style-type: none"> <li>Hw i/o</li> <li>BACnet objects . internal blocks</li> <li>Comparator/logic</li> <li>Water law / Linear Limit</li> <li>Code Library/ Custom blocks</li> </ul> <p>PID (Loop)</p>	<p>Remote access to our controllers</p> <p>ECY-S1000E</p>
D3 PM	<p>EC-gfxProgram Interface</p> <p>Custom block/ code snippet</p> <p>Conditional Custom blocks</p> <p>Alarms (Route alarms)</p> <p>Trends</p> <p>Schedule</p> <p>Time Sync BACnet</p> <p>Ressources viewer/Favorites</p> <p>LCD screen / My DC Control</p> <p>Backup management</p>	<p>Remote access to our controllers</p> <p>ECY-S1000E</p>
<b>Day/Time</b>	<b>Lab</b>	<b>Equipment needed</b>
D4 AM	<p>Summary</p> <p>EC-gfxProgram Interface</p> <p>Network Values (BACnet communication)</p> <p>Remote Device Discovery</p> <p>Modbus communication</p> <p>Mbus communication</p> <p>Backup management</p>	<p>Remote access to our controllers</p> <p>ECY-S1000E</p>
D4 PM	<p>Designer graphics / dcLibrary (Demo mode first level)</p> <p>Data Tree / Remote Device</p> <p>Designer interface</p> <p>Backup management</p> <p>Horyzon-C</p>	<p>Remote access to our controllers</p> <p>ECY-S1000E</p>

D5 AM	<p>Summary</p> <p>APEX &amp; Building Intelligence Interface Commissioning of APEX-BI</p> <p>Packages</p> <p>Network configuration Remote Devices configuration Site management Dashboard configuration</p> <p>Backup management</p>	<p>Remote access to our controllers ECY-S1000E</p>
D5 PM	<p>Summary</p> <p>How to contact technical support The good questions for a good project!</p> <p>Additional questions</p> <ul style="list-style-type: none"> <li>- Certification Part 2</li> <li>- Evaluation</li> </ul>	<p>Remote access to our controllers ECY-S1000E</p>

This approximates what the week will look like.

If you feel like there is something you want to make sure we mention on the course, then discuss this with the trainer to see if it is something we can add to this to make sure you gain what you expect from the training.

After you have answered both tests and filled out the evaluation form, then you should receive an email in one of the following weeks with a certificate of the training completed.

## TR- 4101 EC-Net 4 BACnet IP Supervisor / EC-BOS8

The training TR-4101 Course (Virtual or inPresence) will be presented by one of our trainer.

This training will allow the trainer to present our products, solutions, controllers, software tools and applications via an interactive online environment.

Expect to dedicate this course towards learning and interacting live with our solutions with other students.

Upon completion of training, the trainee will be able to:

- Understand EC-Net 4 environment
- Configure and use EC-Net 4 tools
- Log in and navigate an EC-Net 4 environment
- Create a supervision: an EC-Net station
- Configure a BACnet IP network and create a controller database
- Manage the services of a supervision (Alarms, Histories, Users, Reports ...)
- Create and deploy an intuitive user interface using ENVYSION Designer
- Install and commission an EC-BOS 8
- Configure and manage networks: BACnet, Lonworks, Modbus, niagara ...
- Define the appropriate licenses for the specified project



*Example day:*

9am	12pm	Trainer	is interactive with presentations and doing demos, Q&A
12.30pm	2pm	-	Lunch
2pm	5.30pm	Trainer	is interactive with presentations and doing demos, Q&A

The trainer will present and perform online demonstrations and will offer to perform the exercises with his assistance.

Each half-day will be punctuated by alternating presentations by the trainer and the completion of the exercises. The trainer remains available to answer questions during the exercises.

The trainer will systematically ask each participant if the concepts covered are understood and if they are in line with the trainees' expectations.

The exercises will be carried out on the trainees' computers in interaction with the controllers provided

### Technical requirements:

#### **Hardware:**

Desktops

If remote session : Laptops & 2 screens + internet are required



**All sessions (Virtual or Remote)**

**Software privileges:**

Desktop, Laptop and Notebook admin privileges are required.  
Ability to disable Anti-Virus's, firewalls, etc. Ability to download into your registry settings such as EC-Net. Technical support can assist.

**Browser:**

Chrome is recommended. Be sure to install the latest version of Chrome as your preferred browser. If you are installing Chrome for the first time, the latest will be installed.

**Remote session**

**Internet Speed:** *Download speed of 10Mbps*

A reliable internet connection is 10Mbps or greater. To test your Mbps kindly go to: <https://fast.com/> and repeat this test 5 times it should average 10mbps. Note that a wired connection will yield better results.

**Equipment:**

- Built in Microphone or external microphone
- Dual Monitors or use your TV as a 2<sup>nd</sup> monitor (one to see the LIVE instructor and another for hands on with solutions).
- Camera if you would like to share your video (recommended)

**Pre- requirements:**

This training needs some knowledge about BMS area and network architecture.  
This training requires to install **software demo license** to execute EC-Net on computer.

**Pre-training preparation:**

The training requires that your computer be ready to interact with the controllers.  
As such, you will receive a procedure to follow to install the software and register on the Distech Controls website before the training session.

Day	Lab	Equipment needed
DO	Preparing computers Website subscription Software Center Forum subscription Learning Portal access → On Boarding module to follow (Mandatory) Builder subscription	Computer  Internet access  Request License !

**Course Outline:**

Day 1	Agenda	Equipment needed
AM	<p>Introduction/ Everyone's expectations <i>The trainer will be able to adapt the pace and content of the training as well as the accompaniment according to the trainees' expectations.</i></p> <p>Website presentation Forum and learning portal Check Installed software</p> <p>EC-Net Workbench SysHome/WorkbenchHome/DaemonHome Fundamentals (Platform; station)</p> <p>Creation and start EC-Net station. Station's Architecture (Services/Config)</p> <p>IP Architecture &amp; BACnet Architecture Add and Configure BcpBACnetOWSNetwork (port IP) Architecture BcpFolderDevice</p> <p>Time Synchronization</p>	Computers with installed SW
PM	<p>Integration of BcpBACnetDevice (ECY) Creation of Proxied points Points Niagara Tuning policies (Communication rules) Schedules Objects _ Synchronization</p>	Remote access to our controllers ECY-PTU-207
Day 2		
AM	<p>Summary</p> <p>Tuning Policies</p> <p>Alarms     BACnet Alarm Management     (Alarm ECY and local alarms)     Console recipient     Alarm Portal</p> <p>Histories     Import trend BACnet     Create trend locally</p>	Remote access to our controllers ECY-PTU-207
PM	<p>Tags Tags and search service Tags and hierarchies</p> <p>Px graphics Graphical views Bformat usage Relativized graphics / Generic Graphics Virtual Points</p>	Remote access to our controllers ECY-PTU-207

Day 3		
AM	Summary Templates (Creation and template management) Bulk Deployment  User management CategoryService RoleService UserService  Navigation file  Radius Server	Remote access to our controllers ECY-PTU-207
PM	ReportService / Program Service  Bql Request  DCCommissioning	Remote access to our controllers ECY-PTU-207
Day 4		
AM	Summary Designer License / dcLibrary	Remote access to our controllers ECY-PTU-207 EC-BOS 8
PM	EC-BOS8 Commissioning and installation  BcpBACnetNetwork (port IP/port MSTP) BACnet Architecture  Niagara Network Alarms /Trends/schedule/ PxVirtual /Users	Remote access to our controllers ECY-PTU-207 EC-BOS 8 ECY-S1000 ECB
D5 AM	Summary EC-Net licensing protocols: lonworks/modbus Palette Vykon (global command) Modules management Backup	Remote access to our controllers ECY-S1000E
D5 PM	Certification  Evaluation	Remote access to our controllers ECY-S1000E

This approximates what the week will look like.

If you feel like there is something you want to make sure we mention on the course, then discuss this with the trainer to see if it is something we can add to this to make sure you gain what you expect from the training.

After you have answered both tests and filled out the evaluation form, then you should receive an email in one of the following weeks with a certificate of the training completed.

## TR-6611 Designer Advanced, dcLibrary & Dashboard

The training TR-6611 Course (Virtual or inPresence) will be presented by one of our trainers.

This training will allow the trainer to present our products, solutions, controllers, software tools and applications via an interactive online environment.

Expect to dedicate this course towards learning and interacting live with our solutions with other students.

Upon completion of training, the trainee will be able to:

- Prepare a gfx code for graphical creation Designer
- Create a graphical interface based on the dcLibrary model
- Understand the notion of Layout, Position & size
- Create your own library and widgets
- Relativize widgets
- Navigate between graphic pages
- Create a template
- Manage backups
- Set Dashboards



*Example day - (European Standard time)*

9am	12pm	Trainer	is interactive with presentations and doing demos, Q&A
12.30pm	2pm	-	Lunch
2pm	5.30pm	Trainer	is interactive with presentations and doing demos, Q&A

The trainer will present and perform online demonstrations and will offer to perform the exercises with his assistance.

Each half-day will be punctuated by alternating presentations by the trainer and the completion of the exercises. The trainer remains available to answer questions during the exercises.

The trainer will systematically ask each participant if the concepts covered are understood and if they are in line with the trainees' expectations.

The exercises will be carried out on the trainees' computers in interaction with the controllers provided

## Technical requirements:

### Hardware:

Desktops

If remote session : Laptops & 2 screens + internet are required

### All sessions (Virtual or Remote)

#### Software privileges:

Desktop, Laptop and Notebook admin privileges are required.

Ability to disable Anti-Virus's, firewalls, etc. Ability to download into your registry settings such as EC-Net. Technical support can assist.

#### Browser:

Chrome is recommended. Be sure to install the latest version of Chrome as your preferred browser. If you are installing Chrome for the first time, the latest will be installed.

It is recommended to use a screen with a minimal resolution 1920\*1080

### Remote session

#### Internet Speed: *Download speed of 10Mbps*

A reliable internet connection is 10Mbps or greater. To test your Mbps kindly go to: <https://fast.com/> and repeat this test 5 times it should average 10mbps.

Note that a wired connection will yield better results.

#### Equipment:

Built in Microphone or external microphone

Dual Monitors or use your TV as a 2<sup>nd</sup> monitor (one to see the LIVE instructor and another for hands on with solutions).

Camera if you would like to share your video (recommended)

## Pre-training preparation:

The training requires that your computer be ready to interact with the controllers.

As such, you will receive a procedure to follow to install the software and register on the Distech Controls website before the training session.

Day	Lab	Equipment needed
DO	Preparing computers Website subscription Software Center Forum subscription Learning Portal access → On Boarding module to follow (Mandatory) → <a href="#">Dclibrary Videos</a> Builder subscription	Computer  Internet access

## Course Outline:

Day 1	Lab	Equipment needed
Day 1 AM	Introduction/ Everyone's expectations. <i>The trainer will be able to adapt the pace and content of the training as well as the accompaniment according to the trainees' expectations.</i>  Distech Controls solutions presentation (reminder) EC-gfxProgram : Presentation of the Central Plant Experience Box  Define the points of the graph (Data Tree) Define the remote controllers (Remote Device)  dcLibrary Project  Layout page and Tree structure Alarm page Trends page Schedule Page	Remote access to our controllers ECY-S1000 ECY-PTU-207
Day 1 PM	dcLibrary widgets  Create a graphic page *.dg5 with Designer. Layout, Position & Wrap Points view Points bindings  Create / Modify a widget. Custom palette  Backup (partial and full)	Remote access to our controllers ECY-PTU-207
Day 2	Lab	Equipment needed
Day 2 AM	Summary  Dataflow usage Callout, repeater, relativization Table management Backup management  User & Welcome page	ECY-S1000E
Day 2 PM	Horyzon-C  Eclypse Building Intelligence Dashboard Dashboard & Designer EC-Net and Designer (Optional)  Questions  Certification & Evaluation	Remote access to our controllers ECY-S1000E APEX

This approximates what the week will look like.

If you feel like there is something you want to make sure we mention on the course, then discuss this with the trainer to see if it is something we can add to this to make sure you gain what you expect from the training.

After you have answered both tests and filled out the evaluation form, then you should receive an email in one of the followings weeks with a certificate of the training completed.