

Panorama

Training catalogue

2026



Training center
CÓDRA
SOFTWARE LTD

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Organize your training

Inter-company training (On-site or E-Training)

- On-site:
 The Inter-company training is planned at our head office or in our branch premises.
 The number of attendees is set at a maximum of 8 people.
 Codra provides one PC per person.
 Lunch and tea & coffee breaks are provided by Codra Software Limited.
- E-Training:
 The training is delivered remotely, via Microsoft Teams (no need to have a Teams account, we require only an internet connection).
 The number of attendees is set at a maximum of 6 people.
 Each participant:
 - Must have a PC with a webcam and a microphone to allow interaction with the trainer
(mandatory: webcam must be turned on during the whole time of the training session, except breaks)
 - Should have 2 screens to follow both the presentation and carry out the manipulations
 - Should have a good internet connection
 Codra provides a Panorama remote software infrastructure: each attendee will connect, through our training portal, to a VM of our infrastructure.

Intra-company training (On-site or E-Training)

- On-site:
 The Intra-company training is planned at your premises on the agreed date (Contact the training department to set a date).
 The number of attendees is set at a maximum of 5 people.
 The training room is provided by the company and must include:
 - One PC per person (at least one PC for two), see below for software requirements
 - A video projector or a large screen with HDMI connection
 - A whiteboard or paperboard
- E-Training:
 The training is delivered remotely, via Microsoft Teams (no need to have a Teams account, we require only an internet connection).
 The number of attendees is set at a maximum of 5 people.
 Each participant:
 - Must have a PC with a webcam and a microphone to allow interaction with the trainer
(mandatory : webcam must be turned on during the whole time of the training session, except breaks)
 - Should have 2 screens to follow both the presentation and carry out the manipulations
 - Should have a good internet connection
- Software requirements for the machine:
 - Windows 10 64-bits or above
 - Panorama Suite (E2), Please download through our Customer Portal my.codra.net (registration required)
 - Microsoft SQL Server, Express edition is enough (<https://www.microsoft.com/en-US/download/details.aspx?id=101064>)
 - Microsoft SQL Server Management Studio, Please download through Microsoft website ([here](#)). Make sure you can create and configure a database before the training.
- Nota: Codra has a Panorama remote software infrastructure, which can be used for this type of training depending on this infrastructure availability (contact the training department for details).

Prepare your stay

Coming to Codra Software Limited ([Access to CODRA SOFTWARE Limited](#))

Birmingham Blythe Valley Business Park,
Central boulevard, Solihull
Birmingham, B90 8AG
Tel: [+44 \(0\)204 557 2692](tel:+44(0)2045572692)

Access to the premises

- Contact reception
- They will bring you to the training room

Staying near Codra Software

Codra has set up a list of Hotels near the office.

Procedure of your registration

- Upon receipt of the order or the registration form, the Company receives an acknowledgement of receipt by email.
- One month before the beginning of the training, the person in charge of the follow-up of the training receives:
 - An invitation to attend the training course, by email, accompanied by:
 - Access map
 - List of hotels near Codra Software
- On the last day of the training, the trainer gives the attendee an evaluation survey. Filling the survey is mandatory.
- At the end of the training course, the company receives the invoice accompanied by the training certificate and the attendance sheet by post.

Our indicators for 2025:

- 502 participants.
- 89 trainings sessions (Inter / Intra).
- 343 trainings days.
- Average of 9.34 / 10 about the satisfaction of participants on the training offer.
- Average of 9.46 / 10 about the organisation of training sessions.
- Average of 9.51 / 10 about the trainers.

Panorama E2 - Basis

OBJECTIVE

This Panorama E2 training provides the basic skills and the development methodology for Panorama E2 monitoring software. Following this training, you will be able to develop and integrate an application using the basic concepts of supervision in a single PC environment.

PROGRAM

Theme 1: Data acquisition

Collect and process your real-time data and ensure the communication is working.

- Implement OPC UA acquisition
- Implement data acquisition with a Modbus TCP PLC
- Keep an eye on data acquisition systems
- Implement processes and corrections on acquired data

Theme 2: Design graphic interfaces

Learn how to develop simple and effective HMIs. Set up management of your operators within the supervision:

- Design custom-made HMI
- Add animation and user controls
- Set up navigation and operation of the HMI
- Integrate operating controls
- Manage app users

Theme 3: Modelling an application

Create components adapted to your app's needs:

- Modelling the equipment to supervised
- Create components
- Automate objects configuration
- Use object library

Theme 4: Enhancing an application

Incorporate functions into your app to use your data collection and drive your installation:

- Integrate advanced treatments by scripts
- Manage and display the faults with alarms
- Present the data to be exploited with plots
- Deploy your app on a multi-machine infrastructure

REQUIREMENTS

Participants should be familiar with the Windows environment and associated tools.

TARGET AUDIENCE

Technicians, developers, engineers or automation engineers.

EDUCATIONAL METHOD

Learning, practical exercises,

questions/answers.

PowerPoint presentation.

Training manual.

EVALUATION

No evaluation.

EXECUTION AND RESULTS

FOLLOW UP

Continuous checking: none.

Registration & training certificate.

DURATION AND SCHEDULES

5 days / 35 hours

INTER (Codra On-Site & E-Training) & INTRA (E-Training):

- Monday 9:00 am to Friday 3:30 pm*

*For E-Training: The trainings are delivered from the United Kingdom. Hours are in local UK time. The starting and ending times are adjustable based on the availability of the trainer and agreement between all attendees

INTRA (On-Site)

- Monday 1:00 pm to Friday 1:00 pm*

*Flexible hours depending on the situation

DATES

Visit our [website](#)

PRICES

INTER: Contact our sales department (Lunch and tea & coffee breaks are provided by Codra Software Limited for Face-to-Face).

INTRA: Contact our sales department (Trainer's expenses not included for Face-to-Face).

Panorama E2 - Advanced

OBJECTIVE

This training will allow you to develop your knowledge and skills regarding corrective or evolutive maintenance for Panorama E2.

PROGRAM

Theme 1: Plan ahead for your interventions

Anticipate Panorama version update and the integration of new features into the application:

- Panorama version upgrade methodology
- Implementing new features

Theme 2: Enhance your application

Enhance an application with advanced functionalities: full web operation of supervision, integration of geographical data and extended time scheduling.

- Access SCADA from a web browser
- Add mapping and geographic data
- Implement extensive time scheduling

Theme 3: Develop, correct, optimise

Optimize an application to ease its development and maintenance.

- Use advanced functions of Panorama to facilitate development
- Use application fine-tuning tools to find out settings errors
- Use diagnostic tools to fix your Panorama application

Theme 4: Make your application more reliable

Make the application functionality reliable by increasing its availability, improving the infrastructure monitoring, and anticipating application maintenance actions.

- Increase application availability
- Monitor the application executive infrastructure
- Simplify application maintenance

REQUIREMENTS

Participants must have completed at least the Panorama E2 version 2016 training course, have experience in Panorama application development, and be familiar with the Windows environment and related tools.

TARGET AUDIENCE

Technicians, developers, engineers or automation engineers.

EDUCATIONAL METHOD

Learning, practical exercises, questions/answers.
PowerPoint presentation.

EVALUATION

No evaluation.

EXECUTION AND RESULTS

FOLLOW UP

Continuous checking: none.
Registration & training certificate.

DURATION AND SCHEDULES

2 days / 14 hours

9:00 am – 5:00 pm*

*For E-Training: The trainings are delivered from the United Kingdom. Hours are in local UK time. The starting and ending times are adjustable based on the availability of the trainer and agreement between all attendees

DATES

Visit our [website](#)

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(Trainer's expenses not included for Face-to-Face).

Panorama H2

OBJECTIVE

This training allows the implementation of Panorama's data historian. From installing the Historian server, function to creating your reports: this training covers all steps of Panorama H2 implementation.

PROGRAM

Theme 1: The Historian Server

Install and set up the Historian server to perfectly meet your needs:

- Advanced installation of the H2 server on an existing database
- Set up the Historian server for an optimal use
- Use the Configuration and Administration tool on the Historian Server

Theme 2: Application H2

Collect, process and structure your H2 data:

- Collect and process data
- Structure, Identify and Describe your H2 data and Alarms
- Define the types of H2 treatments to apply to data
- H2 data from ready-to-use reports

Theme 3: Reporting H2 Clients

Explore, analyse and create your dashboards in H2 reporting:

- Introducing the various solutions available to view H2 data
- Create your own dashboards to analyse your data
- Use publishing and reporting functions

Theme 4: Pairing with Panorama E2

Easily integrate H2 function into an existing E2 application:

- E2 alarms in H2
- Exporting data from business objects to H2
- Display data from the Historian server in the Panorama app
- Use the Archive transfer to H2 tool

REQUIREMENTS

Participants should be familiar with the Windows environment, associated tools and the SQL Server environment.

TARGET AUDIENCE

Technicians, developers, engineers or automation engineers.

EDUCATIONAL METHOD

Learning, practical exercises, questions/answers.
PowerPoint presentation.

EVALUATION

No evaluation.

EXECUTION AND RESULTS

FOLLOW UP

Continuous checking: none.
Registration & training certificate.

DURATION AND SCHEDULES

3 days / 21 hours

9:00 am – 5:00 pm*

*For E-Training: The trainings are delivered from the United Kingdom. Hours are in local UK time. The starting and ending times are adjustable based on the availability of the trainer and agreement between all attendees

DATES

Visit our [website](#)

PRICES

INTER: Contact our sales department
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INTRA*: Contact our sales department
(Trainer's expenses not included for Face-to-Face).

(*need to use Codra's Panorama remote software infrastructure)

Panorama Edge to Service

OBJECTIVE

This course enables you to implement the Edge to Service feature within the Panorama Suite.

From the installation of functionalities to deployment, application development and maintenance, this course covers all the phases involved in implementing the Panorama Edge to Service solution.

PROGRAM

Theme 1: Architecture and installation

Understand the Edge to Service architecture and setup its features:

- What is Edge to Service?
- What is the hardware and software architecture?
- How are the features deployed in the infrastructure?

Theme 2: Deployment

Perform a complete deployment of local monitoring and hypervision using Edge to Service tools:

- How to use the Edge Controller client?
- How to create sites?
- How to set up Edge Nodes?
- How to set up Hypervision?

Theme 3: Application development

Design Panorama applications to run in the Edge to Service environment:

- What are the specific features of Panorama Edge to Service applications?
- How to develop reference applications?
- How to develop template applications?
- How to develop site applications?
- How to develop the Hypervision application?

Theme 4: Maintenance and diagnostics

Maintain and upgrade an Edge to Service system once it's running:

- How to declare additional development workstations?
- What are the maintenance operations?
- What should be done in the event of a malfunction?

REQUIREMENTS

Participants must have completed the Panorama E2 training in version 2022 or higher and be familiar with the Windows environment, associated tools, the SQL Server environment and Panorama Suite.

TARGET AUDIENCE

Technicians, developers, engineers or automation engineers.

EDUCATIONAL METHOD

Learning, practical exercises, questions/answers.
PowerPoint presentation.

EVALUATION

No evaluation.

EXECUTION AND RESULTS

FOLLOW UP

Continuous checking: none.
Registration & training certificate.

DURATION AND SCHEDULES

2 days / 14 hours

9:00 am – 5:00 pm*

*For E-Training: The trainings are delivered from the United Kingdom. Hours are in local UK time. The starting and ending times are adjustable based on the availability of the trainer and agreement between all attendees

DATES

On request, please contact the sales department.

PRICES

INTRA*: Contact our sales department (Trainer's expenses not included for Face-to-Face).

(*need to use Codra's Panorama remote software infrastructure)

Panorama COOX - QPI

OBJECTIVE

This Panorama COOX QPI training course will enable you to implement monitoring functions as well as quality and performance indicators based on quantities produced, quantities rejected and production downtimes.

PROGRAM

Theme 1: Concepts and features

Understand the key notions and concepts involved in developing quality and performance indicators with Panorama:

- Overview and definition of indicators in accordance with standard ISO 22400-2:2014
- Prerequisites and setup of Panorama COOX
- Panorama COOX application design

Theme 2: Describing the process

Represent in Panorama the different stages and equipment of a process, at any scale:

- Modelling a hierarchy (ISA-88 and ISA-95 standards)
- Modelling work centers
- Setting up ready-to-use graphical user interfaces for process managers and equipment operators

Theme 3: Produced and rejected quantities

Use produced and rejected quantities to calculate the associated indicators in real time:

- Define the causes of rejects
- Setting up data acquisition using a standard protocol
- Collecting quantities
- Correction and resulting data usage

Theme 4: Downtimes

Include planned and unplanned downtimes into the calculation of indicators:

- Define the downtime causes
- Collecting downtime data
- Correction and resulting data usage

REQUIREMENTS

Participants should be familiar with the Windows environment and associated tools.

TARGET AUDIENCE

Technicians, developers, engineers or automation engineers.

EDUCATIONAL METHOD

Learning, practical exercises, questions/answers.
PowerPoint presentation.

EVALUATION

No evaluation.

EXECUTION AND RESULTS

FOLLOW UP

Continuous checking: none.
Registration & training certificate.

DURATION AND SCHEDULES

1 days / 7 hours

9:00 am – 5:00 pm*

*For E-Training: The trainings are delivered from the United Kingdom. Hours are in local UK time. The starting and ending times are adjustable based on the availability of the trainer and agreement between all attendees

DATES

On request, please contact the sales department.

PRICES

INTER: Contact our sales department (Lunch and tea & coffee breaks are provided by Codra Software Limited for Face-to-Face).

INTRA: Contact our sales department (Trainer's expenses not included for Face-to-Face).

Training course registration form

Your order reference:

Training organization Codra Software Limited Birmingham Blythe Valley Business Park, Central boulevard, Solihull Birmingham, B90 8AG UNITED KINGDOM Registered in England 5998131 VAT GB 894 0440 15	Your company Company name: Address: Postal code/City: Contact person: Phone number: E-mail:	
Course title		
Date – Duration	From to Week no. - Duration hours	
Location (On-site training)	<input type="checkbox"/> Inter-company training on Codra premises: Birmingham Blythe Valley Business Park, Central boulevard, Solihull Birmingham, B90 8AG, UNITED KINGDOM <input type="checkbox"/> Intra-company training (specify if a different address is used): 	
Training delivered	<input type="checkbox"/> On site <input type="checkbox"/> Remotely (Microsoft Teams)	
Participant(s)	Last name / First name	E-mail

	
Pricing	Training ex VAT All included Lunch is provided by Codra when "Codra onsite training" is chosen. Expenses ex VAT All included Concerning "Company onsite training", trainer's expenses shall be charged to the Company - quote on request	
Terms and conditions: <i>This registration form is an order; by returning the completed the Company accept the terms and conditions mentioned below.</i> <i>The invoice is due within 30 days following the training. The full amount for the course shall be due immediately for any cancellation, even in the event of force majeure, less than 10 working days prior to the start of the session.</i> <i>Codra reserves the right to cancel a course if there are not enough participants; in this case, participants will be informed and another date proposed.</i> <i>This agreement goes into effect upon its signature by the Company, for the duration of the training activity in question.</i> <i>Any dispute that cannot be settled via an amicable agreement shall be under the jurisdiction of the Evry Commercial Court (91).</i>	For the Company <i>Name and signature of responsible, date and stamp of the Company</i>	

Codra Software Limited
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