



## Educational

Make the best use of HVAC/R application technologies and systems

# Educational

CAREL's experts are available to provide specific training on new technologies and the optimal configuration of typical HVAC/R application architectures and systems.

## Taking part in a CAREL training course will help you:

- Expand your knowledge on the functions of the tools and products, and learn how to use them autonomously;
- Improve your work, whether design, installation, configuration or field services, or simply use of the products.

CAREL's training courses are designed to provide a complete overview of its tools and products.

The standard courses are available in English and Italian, based on a set calendar, while dedicated courses can be requested by contacting your sales representative.

What you get from taking part in our training courses:

- **Certificate of participation:** a certificate will be issued to participants who pass the final test. Some courses may require a minimum number of hours of attendance;
- **Course materials:** at the end of the course, all of the materials will be provided to participants;
- **CAREL manuals:** links will be provided for downloading CAREL manuals



# WEBINAR

In 2021, all of the courses will be held online (webinars). CAREL will provide suitable notice should it become possible to organise in-person courses



### Vertical experience in the HVAC/R sector

By acquiring thermodynamic skills and knowledge of CAREL's most advanced software and digital technologies.



### New experiences from around the world

Participants from all over the world can share and compare experiences.



### Workshops and simulators for real use experiences

Not just theory, but practical exercises that let you expand your knowledge of our tools and products.

## SW tools course

The c.suite/c.web courses are intended for users who are approaching these development tools for the first time, analysing the main functions with explanations and practical exercises. Participants will be given a complete overview of the main features of the product so as to be able to independently develop custom applications.



### c.suite SW tools course

Item code	9STSW01Q10
Duration	24 h in-person 32 h via webinar
Practical exercises	yes
Level	basic
Maximum number of participants	10 in person 6 via webinar

#### Topics included

- Life cycle of an application project;
- c.strategy Editor: create parameters, use function blocks, enable device operation;
- c.mask Editor: create a UI page;
- c.design Editor: define and manage I/O configurations, protocols;
- c.factory Editor: load projects and manage updates;
- Debugging;
- Introduction to the web server (pGDweb and Web trends);
- Introduction to development guidelines.

### c.web SW tools course

Item code	9STSW02Q10
Duration	8 h in-person 12 h via webinar
Practical exercises	yes
Level	basic
Maximum no. of participants	10 in person 6 via webinar

#### Topics included

- Project management;
- Basic widgets;
- Display objects based on a condition;
- Widget animation through wizard and Java script (intro);
- Create widgets from scratch and modify library widgets;
- Manage languages and translations;
- How to embed generic HTML code;
- How to create a new web page and move from one to another;
- Presentation of c.web project templates.

## Humidification systems course

The course aims to provide a complete overview of the applications, installation, commissioning and maintenance of isothermal and adiabatic humidifiers and air handling systems.



### Humidification systems course

Item code	9STHU00Q10
Duration	16 h*
Workshop	only for in-person courses
Level	basic
Maximum no. of participants	8

#### Topics included

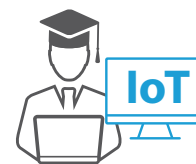
- Brief description of the types of application for different categories of humidifiers: Isothermal and adiabatic;
- Description of the functional characteristics of different types of humidifiers;
- Technical considerations on the installation methods, concerning both the units and the location;
- Commissioning procedures and check list, including complete list of configuration parameters;
- Troubleshooting and description of the types of warnings or alarm signals generated by humidifiers, in relation to the request for scheduled, unscheduled or preventive maintenance or repairs;
- Configuration and use of the DigitalHUM digital portal.

\*the number of hours refers to in-person courses; if held by webinar, the course duration may vary.



## IoT course

The IOT courses are designed to train participants on CAREL's embedded solutions for monitoring, supervision, centralised management and optimisation of systems via cloud portals. The aim of the courses is to teach installers and users of these solutions how to configure and manage their own applications in the best possible way.



### Edge course

Item code	9STIT01Q10
Duration	8 h*
Maximum no. of participants	10

#### Topics included

- Commissioning and initial configuration;
- Configuration of serial lines and communication protocols;
- Description of the devices and customisation possibilities;
- Creation of data reports and related scheduling;
- Setting and use of notification channels;
- Logic applied for internal rules and management of alarms and events;
- Scheduling of periodical actions.

### Cloud portal course

Item code	9STIT02Q10
Duration	16 h*
Maximum no. of participants	8

#### Topics included

- View and manage alarms;
- View historical data and reporting;
- Overview of Service Quality;
- Overview of the display and detailed analysis options with dashboards;
- IoT Edge integration procedure on the portal and configuration needed to generate dashboards;
- Presentation of dashboards with the focus on the use of bookmarks and schedules;
- Troubleshooting of the most common problems.

\*the number of hours refers to in-person courses; if held by webinar, the course duration may vary.

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