



COMMERCIAL PRODUCTS TRAINING COURSES





CONTENTS

- 4 About Ideal Heating Commercial
- 5 Expert Academy what we offer
- 6 CIBSE approved CPD's

Commercial condensing boilers:

- **10** Evomax 2
- 12 Imax Xtra 2
- 14 Imax Xtra EL
- 16 Evomod

Heat Interface Units:

20 POD HIU

Air Source Heat Pumps:

- 24 Advanced heat pumps
- **26** BPEC heat pump systems qualification
- 28 City and Guilds F Gas 2079 Cat 1

Ideal Heating Commercial are working closely with our **Expert Academy** training managers to deliver high level commercial product training.

If you are looking to expand your knowledge without eating into a busy working week? Expert Academy training is available at several locations. Courses cover all the essential skills and information needed to work with Ideal Heating's commercial product ranges, so you can provide the highest standards of service to your customers.

With a wide range of training courses on offer, you can be sure to find the perfect programme for you.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk

IDEAL HEATING COMMERCIAL



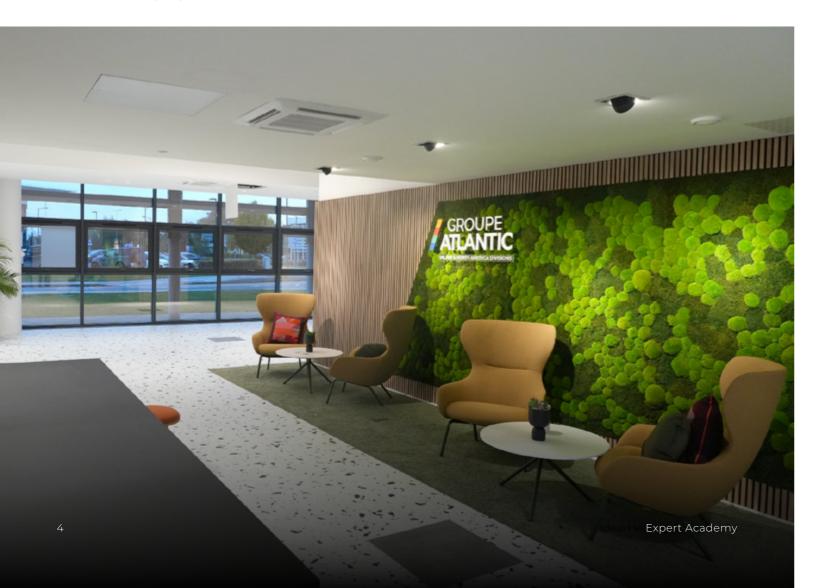
ABOUT US

Ideal Heating Commercial is the UK's leading commercial heating manufacturer of high efficiency commercial heating solutions.

Operating from our Hull manufacturing plant and offices since 1906, we are one of the few true British manufacturers left in the heating industry.

With over 100 years of experience and knowledge we have developed a range of low carbon heating solutions for commercial properties. Armed with everything from market-leading condensing boilers, commercial heat pumps through to heat interface units, we provide the right heating technology to help the UK on its journey to net zero.

Working closely with our **Expert Academy** whose full time training managers offer a wide range of comprehensive courses, which can be customised for individual installation and servicing companies.



EXPERT ACADEMY

WHAT WE OFFER

Our Training Managers:

Your training manager has extensive experience and qualifications that span across the heating and gas industries. Working closely alongside our product managers, research and development departments and national network of service engineers, they will provide insights and technical information unavailable elsewhere.

We also invest in developing their training techniques and skills so that you benefit from the best possible training experience. Our courses utilise modern training techniques to help you best retain knowledge, build skills and enjoy the experience.

Our Facilities:

Our Expert Academy Training centres are based in Hessle, Leeds, Luton and Dalgety Bay. They are purpose designed buildings providing comfortable and well-equipped training facilities.

Each day you will be provided with free reserved parking, refreshments and lunch.

We also have a range of specialist tools and equipment available for you to try throughout the course.

Digital Learning:

Alongside what you learn during the training programme, we are continually adding to our range of free digital training resources. These are available for ongoing refreshers as well and on-site technical support.

Our Accreditations:

We are approved BPEC, BESA and City and Guilds assessment centres so you can be assured we maintain high standards of quality and consistency.

Our Services:

We believe that the quality of our products can only be matched by the quality of installation, commissioning, and maintenance. For this reason, we invest in making quality training available at the lowest cost possible.

There are no catches or conditions with our low prices or free courses – they are designed to support you do what you do best in the most efficient way possible.

Training First:

Good quality, technical training is our number one priority. We pride ourselves in providing you honest, balanced information. We don't do sales presentations and we certainly don't try to push anything during our training courses. We also love learning from your experiences - we are all about providing you the best quality training programme.



ACADEMY

Andrew Johnson
Training Director
Groupe Atlantic UK, ROI & NA

CIBSE APPROVED CPDS

AVAILABLE COURSES



The CPD seminars are delivered by our team of Ideal Heating Commercial specification managers, to book visit:

idealcommercialheating.com/cpd-courses



Ideal Heating Commercial is accredited by CIBSE to deliver CPD seminars that are highly technical and relevant to your role. Learn more about the latest industry developments and discover new ways to add value, performance and efficiency to your projects.

We can offer our CPD seminars online, or in person - at our site or yours. Our flexible approach means we can tailor our training to suit your business. Each CPD seminar typically lasts 45 minutes to 1 hour. These can be run at lunchtime, so there is minimal disruption to the working day.

An introduction to plant room surveys

An introduction surveying a plant room, with particular focus on surveys for retrofit boiler installations, including access, risk assessments, pre-survey checks and the best practice of commissioning.

A review of commercial boiler heat exchanger materials

Covering the different commercial boiler heat exchanger materials available and why choosing the correct heat exchanger material is important.

Low carbon systems: appliances and applications using heat pump technology

Heat pumps will play a major part in the future of commercial heating and hot water in the UK. Learn about the technology and principles behind commercial heat pumps to help you with your system design and specification.

Heat networks and heat interface units

Learn more about heat networks and the role that heat interface units play in ensuring the thermal comfort of the end-user and the efficient operation of the network.

Understanding refrigerants & how they affect the choice of commercial heat pumps

In this CIBSE approved CPD we look at understanding refrigerants - both synthetic and natural options - and discuss how they affect the choice of commercial heat pumps for different applications. Learn how a heat pump works; factors to consider when installing commercial heat pumps; decarbonising the heating sector and refrigerant phase-down; heating and hot water applications; heat pump principles - COP and SCOP and creating an efficient heat pump system. Running time approximately 30 minutes.





COMMERCIAL CONDENSING BOILERS









5 year Sui warranty* con



Suitable for commercial properties







BIM

^{*5} year warranty subject to Terms and Conditions. 5 years parts and labour warranty available subject to being commissioned by Ideal Heating. Terms and conditions available at idealheating.com

EVOMAX 2

COURSE DETAILS



A comprehensive, combined 1-day programme covering all aspects of the **Evomax 2 commercial condensing boiler.**

This course is run over 1-day, structured in a way that allows flexibility based on attendee's experience.

In general, the morning session will be covered by a short presentation around the basic boiler specification followed by terminology around the hydraulic setup. In addition to this, a detailed look at the capability of the appliance plus the accessories available to fully take advantage of the plethora of programming options. This section is concluded by looking at the boiler electrical connections before wiring up the boiler.

Who can attend: This course is designed for heating engineers who hold relevant commercial gas accreditations.

What you need to bring: All tools and equipment are provided.

How to book: Please visit our training website to see available course dates and locations.

Please speak to your business development manager in relation to mobile and customised training options in other locations. There will be an opportunity to strip the boiler down in terms of a servicing procedure, having a conversation throughout around expectations when commissioning and servicing, alongside best practice fault finding.

Concluding, with an afternoon of programming the boilers from basic to more complex installations including simple cascade and how we manage the cascade.

What's included:

- · Basic install requirements
- Commissioning and service requirements
- · Appliance strip down (service)
- Configuration
- · Electronic programming.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk



The **Evomax 2** is the **UK's number**one wall-mounted commercial boiler.

Price:

Free

Duration:

1-day, typically 9am - 4pm with lunch included

Locations:

Hessle, Leeds, Luton and Dalgety Bay

Getting there:

| Hessle | Leeds | Luton | Dalgety Bay |
|--|--|--|---|
| Our new flagship training centre is based on the Bridgehead Business Park in Hessle, Hull at the head of the historic Humber bridge. | The Leeds training centre is handily located just off the M62. | Our new training and technology centre in Luton is located close to junction 11 of the M1, easily accessible for the South and much of the Midlands. | Our Dalgety Bay training centre is handily located just off the Queens Ferry Crossing / M90 motorway. It is close to Edinburgh and serves the East coast of Scotland. |
| Groupe Atlantic | Groupe Atlantic | Groupe Atlantic | Groupe Atlantic |
| Training Centre of | Training Centre of | Expert Academy Training | Training Centre of |
| Excellence | Excellence | and Technology Centre | Excellence |
| Bridgehead Business | 2 Sterling Court | Unit 8 Insignia Park | St. David's Drive |
| Park | Tingley | Luton Rd | St David's Business Park |
| Meadow Rd Hull | WF31EL | LU5 4LW | Dunfermline |
| Hessle | | | Scotland |
| HU13 0DG | | | KY11 9PF |

IMAX XTRA 2

COURSE DETAILS



A comprehensive, combined 1-day programme covering all aspects of the **Imax Xtra 2 commercial condensing boiler.**

The course is run over 1-day, structured in a way that allows flexibility based on attendee's experience.

In general, the morning session will be covered by a short presentation around the basic boiler specification followed by terminology around the hydraulic setup. In addition to this, a detailed look at the capability of the appliance plus the accessories available to fully take advantage of the programming options. This section is concluded by looking at the boiler electrical connections before wiring up the boiler.

Who can attend: This course is

designed for heating engineers who hold

What you need to bring: All tools and equipment are provided.

relevant commercial gas accreditations.

How to book: Please visit our training website to see available course dates and locations.

Please speak to your business development manager in relation to mobile and customised training options in other locations. There will be an opportunity to strip the boiler down in terms of a servicing procedure, having a conversation throughout around expectations when commissioning and servicing, alongside best practice fault finding.

Concluding, with an afternoon of programming the boilers from basic to more complex installations including simple cascade and how we manage the cascade.

What's included:

- · Basic install requirements
- Commissioning and service requirements
- · Appliance strip down (service)
- Configuration
- · Electronic programming.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk



Imax Xtra 2 is floor standing and compact with a small footprint to fit through standard doorways.

Price:

Free

Duration:

1-day, typically 9am - 4pm with lunch included

Locations:

Hessle, Leeds, Luton and Dalgety Bay

Getting there:

| Hessle | Leeds | Luton | Dalgety Bay | |
|--|--|--|---|--|
| Our new flagship training centre is based on the Bridgehead Business Park in Hessle, Hull at the head of the historic Humber bridge. | The Leeds training centre is handily located just off the M62. | Our new training and technology centre in Luton is located close to junction 11 of the M1, easily accessible for the South and much of the Midlands. | Our Dalgety Bay training centre is handily located just off the Queens Ferry Crossing / M90 motorway. It is close to Edinburgh and serves the East coast of Scotland. | |
| Groupe Atlantic | Groupe Atlantic | Groupe Atlantic | Groupe Atlantic | |
| Training Centre of | Training Centre of | Expert Academy Training | Training Centre of | |
| Excellence | Excellence | and Technology Centre | Excellence | |
| Bridgehead Business | 2 Sterling Court | Unit 8 Insignia Park | St. David's Drive | |
| Park | Tingley | Luton Rd | St David's Business Park | |
| Meadow Rd Hull | WF31EL | LU5 4LW | Dunfermline | |
| Hessle | | | Scotland | |
| HU13 ODG | | | KYII 9PF | |

IMAX XTRA EL

COURSE DETAILS



A comprehensive, combined 1-day programme covering all aspects of the **Imax Xtra EL commercial condensing boiler.**

The course is run over 1-day, structured in a way that allows flexibility based on attendee's experience.

In general, the morning session will be covered by a short presentation around the basic boiler specification followed by terminology around the hydraulic setup. In addition to this, a detailed look at the capability of the appliance plus the accessories available to fully take advantage of the programming options. This section is concluded by looking at the boiler electrical connections before wiring up the boiler.

Who can attend: This course is designed for heating engineers who hold relevant commercial gas accreditations.

What you need to bring: All tools and equipment are provided.

How to book: Please speak to your business development manager or email enquiries@expert-academy.co.uk.
Training sessions are arranged on request.

There will be an opportunity to strip the boiler down in terms of a servicing procedure, having a conversation throughout around expectations when commissioning and servicing, alongside best practice fault finding.

Concluding, with an afternoon of programming the boilers including simple cascade and how we manage the cascade.

What's included:

- · Basic install requirements
- Commissioning and service requirements
- · Appliance strip down (service)
- Configuration
- · Electronic programming.

For more details about the courses in this brochure or further information, please visit our training website:

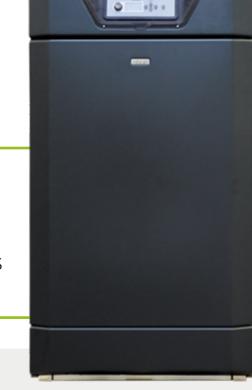
idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk



The Imax Xtra EL is a condensing floor standing boiler, specially designed for commercial applications requiring larger outputs in a compact package.



Price:

Free

Duration:

1-day, typically 9am - 4pm with lunch included

Locations:

Leeds

Getting there:

Leeds

The Leeds training centre is handily located just off the M62.

Groupe Atlantic
Training Centre of Excellence
2 Sterling Court
Tingley
WF3 1EL

Email: enquiries@expert-academy.co.uk



EVOMOD

COURSE DETAILS





A comprehensive, combined 1-day programme covering all aspects of the **Evomod commercial** condensing boiler.

The course is run over 1-day, structured in a way that allows flexibility based on attendee's experience.

In general, the morning session will be covered by a short presentation around the basic boiler specification followed by terminology around the hydraulic setup. In addition to this, a detailed look at the capability of the appliance plus the accessories available to fully take advantage of the plethora of programming options. This section is concluded by looking at the boiler electrical connections before wiring up the boiler.

An opportunity to strip the boiler down in terms of a servicing procedure, having

a conversation throughout around expectations when commissioning and servicing, alongside best practice and fault finding.

Concluding, with an afternoon of programming the boilers including simple cascade and how we manage the cascade.

What's included:

- · Basic install requirements
- Commissioning and service requirements
- · Appliance strip down (service)
- Configuration
- · Electronic programming.

Who can attend: This course is designed for heating engineers who hold relevant commercial gas accreditations.

What you need to bring: All tools and equipment are provided.

How to book: Please speak to your business development manager or email enquiries@expert-academy.co.uk.
Training sessions are arranged on request.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk

The **Evomod** has up to **IMW output** from a single unit, ideal for smaller spaces.

Price:

Free

Duration:

1-day, typically 9am - 4pm with lunch included

Locations:

Leeds

Getting there:

Leeds

The Leeds training centre is handily located just off the M62.

Groupe Atlantic
Training Centre of Excellence
2 Sterling Court
Tingley
WF3 1EL

Email: enquiries@expert-academy.co.uk





HEAT INTERFACE UNITS (HIU)

POD HEAT INTERFACE UNITS





Made in the UK



2 year warranty*



Free commissioning



BESA approved



BIIM

^{*2} year warranty subject to Terms and Conditions. 2 years parts and labour warranty available subject to being commissioned by Ideal Heating or an authorised representative. Terms and conditions available on request.

POD HEAT INTERFACE UNITS



COURSE DETAILS

Our standard 1-day course is structured in a way that allows flexibility based on attendee's experience and covers all aspects of the **POD** heat interface units.

The beginning of the session provides an introduction and overview to heat networks. This includes general design and configuration, how they provide heating solutions to help decarbonise and other associated benefits.

A comprehensive product range and features overview is provided on the POD HIU, before moving on to cover installation and commissioning requirements.

There is an opportunity to use the recommended testing equipment involved in processes along with the chance to remove components and complete maintenance activities. You will also have the opportunity to look at controls, heat meters and accessories.

What's included:

- · An overview of Heat Networks (optional based on groups experience)
- · POD HIU product overview
- · Installation and commissioning
- · Maintenance and diagnostic
- · Controls and programming.

Who can attend: This course is designed for heating engineers who work or are preparing to work on our Ideal POD heat interface units.

What you need to bring: All tools and equipment are provided.

How to book: Please visit our training website to see available course dates and locations.

Please speak to your business development manager in relation to mobile and customised training options in other locations.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk



The **POD HIU** is designed to meet all the requirements of the heat network installer, operator and end user.



Price:

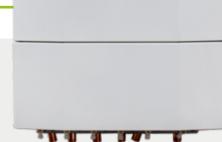
Free

Duration:

1-day, typically 9am - 4pm with lunch included

Locations:

Hessle, Leeds, Luton and Dalgety Bay



Getting there:

| Hessle | Leeds | Luton | Dalgety Bay | |
|--|--|--|---|--|
| Our new flagship training centre is based on the Bridgehead Business Park in Hessle, Hull at the head of the historic Humber bridge. | The Leeds training centre is handily located just off the M62. | Our new training and technology centre in Luton is located close to junction 11 of the M1, easily accessible for the South and much of the Midlands. | Our Dalgety Bay training centre is handily located just off the Queens Ferry Crossing / M90 motorway. It is close to Edinburgh and serves the East coast of Scotland. | |
| Groupe Atlantic | Groupe Atlantic | Groupe Atlantic | Groupe Atlantic | |
| Training Centre of | Training Centre of | Expert Academy Training | Training Centre of | |
| Excellence | Excellence | and Technology Centre | Excellence | |
| Bridgehead Business | 2 Sterling Court | Unit 8 Insignia Park | St. David's Drive | |
| Park | Tingley | Luton Rd | St David's Business Park | |
| Meadow Rd Hull | WF3 1EL | LU5 4LW | Dunfermline | |
| Hessle | | | Scotland | |
| HU13 ODG | | | KY11 9PF | |



AIR SOURCE HEAT PUMPS





5 year warranty*



Free commissioning



Suitable for commercial properties



Low environmental impact



BIIM

*2 year warranty extended to 5 years if commissioned by Ideal Heating. Terms and conditions available at idealheating.com

ADVANCED HEAT PUMPS



ECOMOD commercial heat pumps



COURSE DETAILS

An informative course suitable for those with existing knowledge of air source heat pump (ASHP) technology.

This 1-day course is designed to provide a comprehensive understanding of how a heat pump can be successfully integrated into your plantroom and controls solutions.

The day primarily focusses on the wide range of flexible wiring and programming options available for our **ECOMOD R32** and/or **ECOMOD 290HT** commercial heat pumps. We also cover the alternative product positioning and safety considerations across the product range.

Concentrating on controls strategies such as enabling the heat pump from simple make and break contacts to utilising the latest technology to operate valves, control a hot water circuit and bivalent setups.

We will explore differing solutions to offer as many opportunities as possible to integrate a heat pump into your existing portfolio of commercial heating spaces, looking at schematics to bring the scenarios to life.

This course is suitable for those with existing knowledge of heat pump technology.

What's included:

- Installation requirements
- Location/Noise considerations, Structural strength, defrost & Condensate disposal
- Wiring the unit, 3 Phase supplies and getting phases correct
- Configuration enabling, cascade, schematics, min volumes & buffers
- · Commissioning and controllers
- Checking & adjusting flow rates, cleaning strainers & filters

- Outside sensor to set bivalent point add gas boiler to cascade
- · Bivalent setup
- Maintenance checks and trouble shooting
- R290 refrigerant considerations including Atex rated tools and safe working practices, commissioning and calibration of the R290 detectors.

ECOMOD air source heat pumps - designed with commercial buildings in mind to help deliver the **next generation of heating solutions.**



Price: Free

Duration: 1-day, typically 9am - 4pm with lunch included

Locations: Leeds and Luton

Getting there:

Who can attend: This course is designed for those with existing knowledge of air source heat pump (ASHP) technology.

What you need to bring:

All tools and equipment are provided.

How to book: Please visit our training website to see available course dates and locations.

Please speak to your business development manager in relation to mobile and customised training options in other locations.

| Leeds | Luton |
|--|--|
| The Leeds training centre is handily located just off the M62. | Our new Training and Technology Centre in Luton is located close to Junction 11 of the M1, easily accessible for the South and much of the Midlands. |
| Groupe Atlantic Training Centre of Excellence 2 Sterling Court Tingley WF3 1EL | Groupe Atlantic Expert Academy Training and Technology Centre Unit 8 Insignia Park Luton Rd LU5 4LW |

BPEC HEAT PUMP SYSTEMS QUALIFICATION





COURSE DETAILS

The BPEC heat pump systems programme is recognised as a demonstration of competence for the Microgeneration Certification Scheme (MCS). Over the duration of 3 -days, this course is designed to give heating engineers the foundation knowledge required to correctly install heat pumps in line with industry best practice and guidelines. Following the completion of this course it is recommended that you complete further product specific training for the chosen product ranges you intend to work on.

Who can attend: This course is designed for practicing heating engineers or those involved in heating systems, design and specification.

Attendees must have and provide evidence of the following:

- N/SVQ Level 2/3 in plumbing / heating and ventilation / gas installation and maintenance or equivalent earlier qualifications.
- Minimum 3-years of experience of installing wet central heating systems evidenced by Gas Safe Register, MCS, OFTEC. etc.
- AND, if not included within the above qualifications' attendees must hold a valid Water Regulations / Water Byelaws qualification. You may complete these with us prior to the 3-day heat pump systems course.

What's included:

- Heat pumps in context
- How a heat pump works principles and components
- Insulation, heat losses and the effect of heating system design
- Domestic hot water, buffer tanks and solar coils
- · Health and safety
- · Heat pump installation considerations
- · Maintenance troubleshooting.

What you need to bring: Passport photos, photo ID and evidence of qualifications - full details will be provided on your booking.

How to book: Due to the high demand for this qualification, please contact your business development manager in the first instance to register interest. Please note minimum lead time for bookings of 8-10 weeks.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training

Email:

enquiries@expert-academy.co.uk

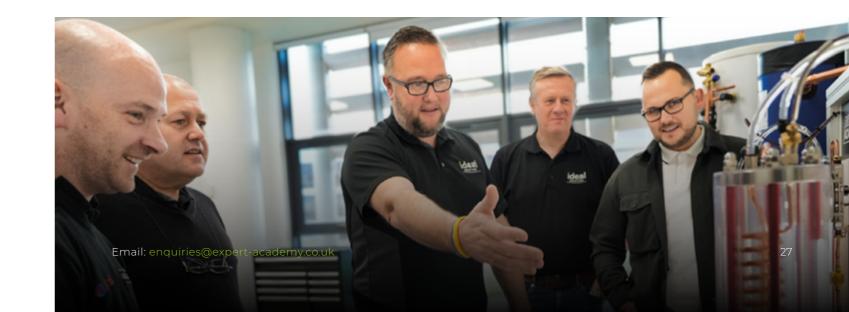
Price: POA

Duration: 3-days, typically 9am - 4pm with lunch included

Locations: Hessle, Leeds and Luton

Getting there:

| Hessle | Leeds | Luton |
|--|--|--|
| Our new flagship training centre is based on the Bridgehead Business Park in Hessle, Hull at the head of the historic Humber bridge. | The Leeds training centre is handily located just off the M62. | Our new Training and Technology Centre in Luton is located close to Junction 11 of the M1, easily accessible for the South and much of the Midlands. |
| Groupe Atlantic Training Centre of Excellence Bridgehead Business Park Meadow Rd Hull Hessle HU13 ODG | Groupe Atlantic Training Centre of Excellence 2 Sterling Court Tingley WF3 1EL | Groupe Atlantic Expert Academy Training and Technology Centre Unit 8 Insignia Park Luton Rd LU5 4LW |



26 Expert Academy

CITY AND GUILDS F GAS 2079 CAT 1





COURSE DETAILS

A comprehensive, combined 5-day programme providing the knowledge and practical skills required to undertake leak checking, recovery, installation, service, and maintenance of heat pump equipment containing refrigerants.

Our training session will provide details on basic refrigeration systems, terminology, principles, units and how these relate to theory and thermodynamics of vapour compression and refrigerant systems. The course is a blended mix of theory, practical demonstration, with plentiful hands-on practice for all attendees. Assessments include a closed-book online exam and observed practical tasks.

On successful completion, a Level 2 award in F-Gas and ODS Regulations Category I City & Guilds 2079-11 certificate will be issued. The qualification does not have an expiration period.

Who can attend: Candidates with relevant engineering skills or working as a refrigeration, air conditioning and heat pump system engineer and have relevant skills and knowledge.

What you need to bring: Passport photos, photo ID and evidence of qualifications - full details will be provided on your booking.

How to book: Due to the high demand for this qualification, please contact your business development

What's included:

- Causes and effects of global warming and climate change
- Identify stationary RAC, and heat-pump systems components, functions and leakage risks
- Hazards and safe working practices for the installation, commissioning, and handling of refrigerants
- Fabricate and examine refrigerant pipework
- Undertake pressure testing, evacuation and record completion
- Undertake refrigerant charging, leak charging and record-keeping
- Undertake recovery of refrigerant and oil and prepare for disposal.

manager in the first instance to register interest. Please note minimum lead time for bookings of 8-10 weeks.

For more details about the courses in this brochure or further information, please visit our training website:

idealcommercialheating.com/training Email:

enquiries@expert-academy.co.uk

Price: POA

Duration: 5 days, typically 9am - 4pm with lunch included

Locations: Hessle and Luton

Getting there:

| Hessle | Luton |
|--|--|
| Our new flagship training centre is based on the Bridgehead Business Park in Hessle, Hull at the head of the historic Humber bridge. | Our new Training and Technology Centre in Luton is located close to Junction 11 of the M1, easily accessible for the South and much of the Midlands. |
| Groupe Atlantic | Groupe Atlantic |
| Training Centre of Excellence | Expert Academy Training |
| Bridgehead Business Park | and Technology Centre |
| Meadow Rd Hull | Unit 8 Insignia Park |
| Hessle | Luton Rd |
| HU13 ODG | LU5 4LW |
| | |



8 Expert Academy





30







Book online at: idealcommercialheating.com/training

Training:

01482 498660

E: enquiries@expert-academy.co.uk

Sales support:

03330 040 393

E: commercial@idealheating.com

Ideal Heating, PO Box 103, National Avenue, Kingston upon Hull, East Yorkshire, HU5 4JN

E: enquiries@idealheating.com



