



## MARINE & OFFSHORE HVAC SPECIALISTS

### Course Joining Instructions & Information

#### Marine & Offshore Refrigeration Course (5 Days) FGas 2079

Welcome to Tradewinds Engineering Ltd. We hope you enjoy the course and find it both interesting and informative.

On completion of the course, you will be asked to complete an online feedback form as part of our drive to maintain a high level of service and quality in our courses. We find delegate feedback very useful and welcome your comments. The information given on the feedback form will be shared on our website and media pages.

This document provides all the information you will need to complete your course successfully. If you should have any questions, please contact:

[training@tradewindsgroup.co.uk](mailto:training@tradewindsgroup.co.uk)

Office +44(0)1823 709712

Please read this document thoroughly.

This document contains:

- Address – UK
- Accommodation suggestions
- Address – Spain
- Accommodation suggestions
- Delegates Person Health & Fitness Requirements
- Pre-Course Preparation
- Pre-Requisites/Entry Requirements
- Enrolment
- Attendance
- Certification
- Clothing/PPE
- Course Aims and Objectives
- Course Structure and Content
- Course assessment

#### UK Location

Unit 6A  
Courtlands Industrial Estate  
Norton Fitzwarren  
Somerset  
TA2 6NS

[What3words –stays.cases.facing](#)

Start time: 9am (Day 1, Please arrive at 8.45am for registration)

Finish time: 4pm

Refreshments: Hot and Cold drinks will be available throughout the day. Please advise of any allergy before arrival and reconfirm to the trainer on your arrival. Lunch is not provided, there is an M&S Simply food store and The Cross Keys Pub/Restaurant a few mins walk from the training centre. Most food outlets also deliver.

Parking is available on site.

### **Airports:**

Bristol to Taunton – 50mins/36miles there is a regular Megabus to Taunton M5 junction or you can take a taxi

Heathrow to Taunton – 2hrs 40mins/156miles there is a regular coach or train to Taunton

We are located 10 minutes from the centre of Taunton, the county town of Somerset.

### **Accommodation – Taunton – UK**

There is a variety of accommodation near our training centre.

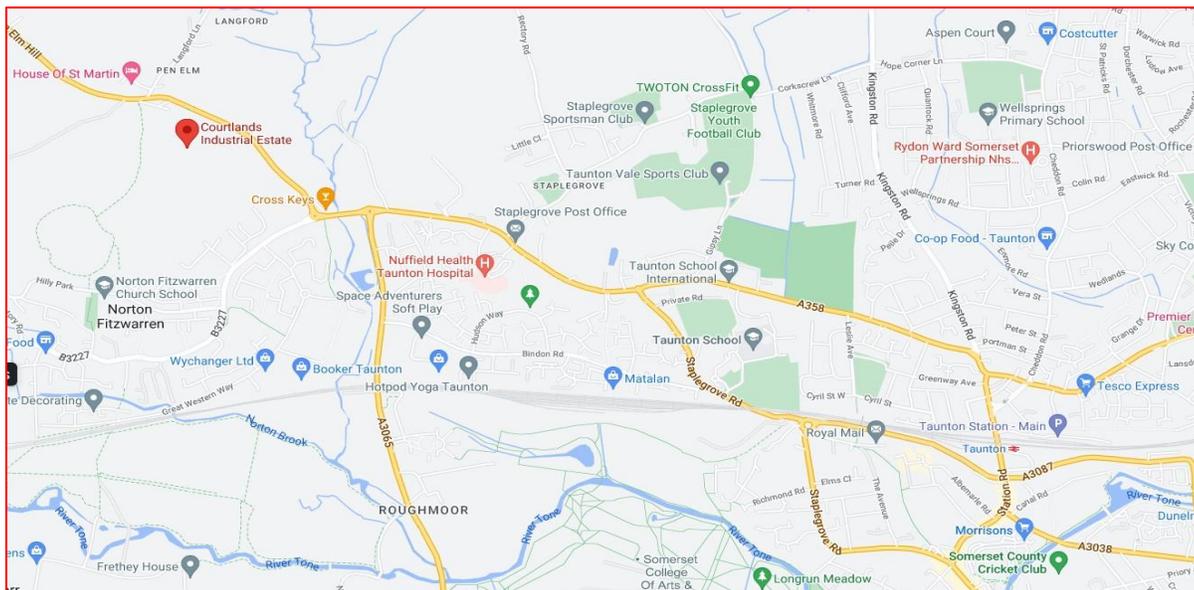
[Taunton Hotels: Holiday Inn Express Taunton M5, Jct.25 \(ihg.com\)](https://www.hotelstaunton.co.uk) This hotel will require car/taxi to access Taunton town centre, it is a 20 to 30 minute car journey to our premises.

<https://www.hotelstaunton.co.uk> The Meryan House Hotel is on the outskirts of Taunton, the town centre is walkable, it is a 5 to 10 minute car journey from our premises.

<https://royalashton.co.uk> in the town centre, it is a 10 to 15 minute car journey to our premises.

Alternatively google search hotels in Taunton, we are located 10 – 15mins car journey from central Taunton.

Or search hotels/B&B Norton Fitzwarren.



## Location – Spain

Tradewinds Engineering Ltd

Carrer de París, No8, Local 6B,07181, Palma Nova, Balearic Islands, Spain

[What3words - containment.smoothest.catcher](#)

Start time: 9am (Day 1, Please arrive at 8.45am for registration)

Finish time: 4pm

Refreshments: Hot & Colds drinks will be available throughout the day. Please advise of an allergy before arrival and reconfirm to the trainer on your arrival. Lunch is not provided.

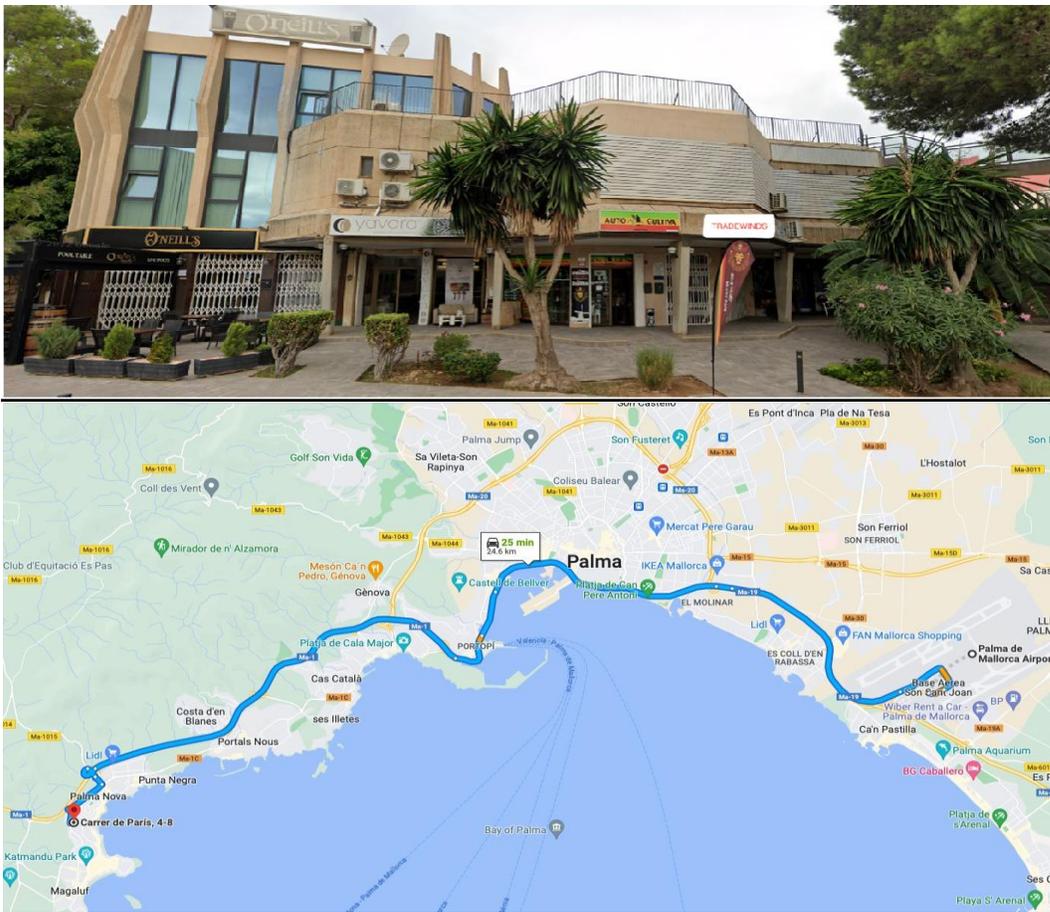
Closest Airport – Palma De Mallorca Airport (30mins car journey)

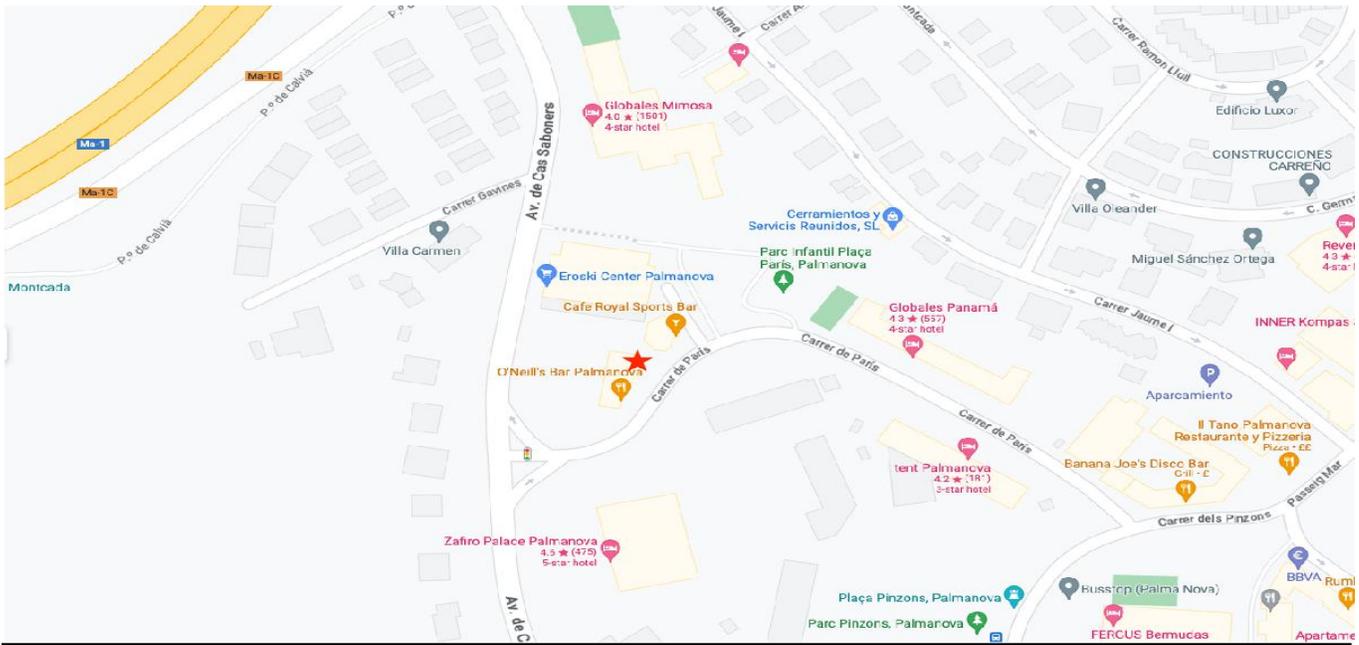
## Accommodation – Spain

[Airbnb](#)

[Fergus Bermudas Hotel](#)

[Tent Palmanova Hotel](#)





### **Delegates Person Health & Fitness requirements**

All students have a personal responsibility to be 'Fit for Work' when attending the course. TWE has a zero tolerance to students who arrive intoxicated, under the influence of drugs or are aggressive in any way. Any student found to be 'Unfit for Work' will be asked to leave the course and will not be allowed to return. No refunds will be given in such circumstances and where applicable, the students training manager will be notified.

### **Pre-Course Preparation**

We encourage all students to read the study guide prior to attending the course. This will be issued to each student in digital format before attending the course. A printed bound copy is available on arrival.

### **Pre-Requisites**

TWE does not require any specific qualifications to access our Marine and Offshore Refrigeration Course, however, a basic level of knowledge or experience of refrigeration is recommended. We offer our online [Fundamentals Course](#) as a pre-requisite if required.

The course will be delivered in spoken and written English only. We assume all candidates have sufficient understanding of English to complete both practical and written assessments.

For students with very little experience with refrigeration systems, then we highly recommend completing our online Fundamentals of Marine Refrigeration course as this will give them the opportunity to learn some of the theory, before attending the practical class room course. Please ask for details [training@tradewindsgroup.co.uk](mailto:training@tradewindsgroup.co.uk)

### **Enrolment**

Please complete both of our online forms as part of the enrollment process:

**BOOKING CONFIRMATION FORM** – [CLICK HERE](#) or go to <https://training.tradewindsgroup.co.uk/booking-confirmation-form/>

**STUDENT DETAILS FORM** – [CLICK HERE](#) or go to <https://training.tradewindsgroup.co.uk/student-details-form/>

On day one of the course, you will be asked to provide photo ID and to sign it.

## **Attendance**

For Successful completion 100% attendance is required.

## **Certification**

On successful completion of this course, you will receive the City & Guilds FGas 2079 certification

## **Clothing/PPE**

Do not wear jewellery during the course for safety reasons. The venue has no secure storage and accepts no responsibility for personal belongings. You are advised to leave valuables at home.

Safety glasses and gloves are required for the practical element.

## **Additional Information**

If an insufficient number of bookings are received for any course, Tradewinds Engineering Ltd reserves the right to cancel that course an mutually agreed alternative date will be offered.

## **Course Assessment**

There will be a practical and theory exam.

## **Course Aims and Objectives**

Specifically for marine and offshore personnel who need to repair refrigeration systems. This course aims to give you the skills needed to confidently repair and commission refrigeration and air conditioning systems in these environments.

## **Course Content and Structure**

This course covers the principles of refrigeration for the marine and offshore industry. The first two days look at the theory of thermodynamics, the vapour compression cycle, energy efficiency and the repair process. The next two days are fully practical, and you will be trained on how to repair a system to industry standards. The final day is exams.

### **Day 1**

- Module 1 – Training & Certification
- Module 2 – Ozone Depletion & Regulations
- Module 3 – Global Warming & Climate Change
- Module 4 – Thermodynamics
- Module 5 - 4 Major Components
- Module 6 – Additional Components
- Module 7 – Pressure Enthalpy Charts
- Module 8 – Refrigeration Health & Safety
- Module 9 – Brazing Refrigeration Pipework

### **Day 2**

- Module 10 – Pressure Testing
- Module 11 – Evacuation & Dehydration
- Module 12 – Refrigerants
- Module 13 – Charging & Commissioning
- Module 14 – Leak Testing

- Module 15 – Refrigerant & Oil Recovery

### **Day 3**

Practical training and demonstrations.

### **Day 4**

AM – Practical training

PM – Practical Exam

### **Day 5**

Theory Exam

## **OTHER COURSES OFFERED BY TRADEWINDS ENGINEERING LTD**

### **eLearning Courses**

#### [Refrigeration Masterclass](#)

6-week program for marine engineers to learn from you own home or at work. Our 3 day practical course with exams to obtain the City & Guilds Fgas 2079 certification, is available at a discounted price to RM students.

#### [Fundamentals of Marine Refrigeration](#)

Recommended as pre-requisite to MORC or as a stand-alone course.

#### [Ventilation and Air Balancing](#)

6 Modules to compliment MORC

#### [Refrigeration Theory](#)

Recommended as a fresher to all MORC students.

#### [Brazing Refrigeration](#)

### **Statement from the Managing Director :**

*'I would personally like to thank you for training with Tradewinds Engineering Ltd. We endeavor to excel in all areas of our training from the booking process through to completion of our courses. Please let us know if you feel that we can improve in any of these areas. Customer satisfaction is very important to us and we welcome your feedback at all times.'*

We look forward to welcoming you on the course and please don't hesitate to contact us if you have any further queries.

Yours Sincerely,

Stuart Ginbey, Managing Director

T: +44(0)1823 709712

Tradewinds Engineering Ltd

