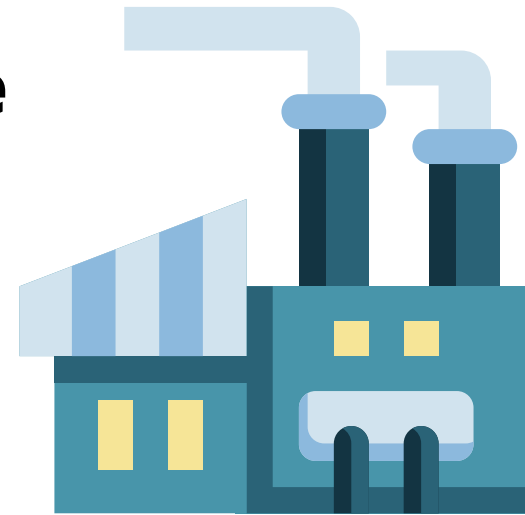


API 579 Fitness for Service Fundamentals for Plant Engineers



Gain insights on how to use API 579 to identify mechanical degradation mechanisms & use Fitness For Service (FFS) techniques to ensure safe and reliable operation of pressure equipment

Overview

The purpose of the course is to assist Engineers gain the knowledge, insights, tools, and resources to conduct API 579 (ASME FFS-1) fitness for services assessments on pressure equipment.

Objective

- Understand mechanical degradation mechanisms on pressure equipment
- Select an appropriate FFS technique for assessments
- Conduct a level 1 and 2 FFS on pressure equipment

Who should attend?

- System engineers
- Maintenance engineers
- Reliability engineers
- Mechanical engineers
- Engineering consultants

 Palucraft

VS

Traditional Training

✓	General FFS information	✓
✓	General FFS case studies	✓
✓	Conducting actual FFS	
✓	Developing FFS technical report	
✓	FFS and South Africa context	
✓	Fracture mechanics fundamentals	
✓	Tailored for the industry	
✓	Engineers actually enjoy the content	

About Palucraft



Palucraft is an Accredited Skills Development provider that develops and delivers high-quality skills programmes that help Engineers, Technicians, and Artisans be more impactful at their workplaces.

Approach

Learn - We will present the basic API 579-1 (ASME FFS-1) theory that will provide context and a solid foundation.

Practice - We will go through examples together where we apply the Fitness For Service (FFS) theory in various contexts.

Apply - You will be given an opportunity to apply the theory and lessons learned from examples to complete the two class projects which will then be evaluated by the course leader.

What's included?

- 25 hours of on-demand videos
- Useful articles
- Downloadable resources
- 12-month access to the digital content
- Course delivered over 10 days
- One 3-hour live online group session
- A single review of the class project
- Certificate of completion

When does programme start?

Please visit our website for the latest dates available

Structure

- The course will be delivered over 10 days.
- Day one will be a live 1-hour orientation.
- The on-demand video content will be made available over the four days.
- The learner will have to go through the video content.
- Proceeding content will be unlocked once the learner has watched at least 80% content.
- Proceeding modules will be unlocked once the learner obtains at least 70% quiz.
- The three-hour live session will be used to discuss the class project in detail and provide guidelines where necessary.
- The learner will be given five days to complete the class projects and submit them for assessment.
- Written feedback will be sent to each learner on the depth of their class project - This will be done a day after the class project deadline.
- Certificate of completion will be issued after completing 100% of the online content and submitting class projects on time.

DAY 1

Orientation and Module 1
(Fitness for service evaluation
procedure)

- How to conduct a Fitness for Service (FFS)
- FFS assessment levels

DAY 2

Module 2 (Mechanical
degradation mechanisms)

- Brittle fracture, general metal loss, local metal loss, pitting corrosion, hydrogen blisters, weld misalignment, shell distortions, crack-like flaws, fire damage, dents, gouges, and laminations

DAY 3

Module 3 (Level 1 FFS
assessment) and Module 4 (Level
2 FFS assessment)

- How to conduct a Level 1 FFS assessment
- How to conduct a level 2 FFS assessment

DAY 4

Module 5 (FSS and the South
Africa legal context)

- Pressure equipment regulations
- Risk Based Inspections
- SANS 347

DAY 5 - 9

Class project completion

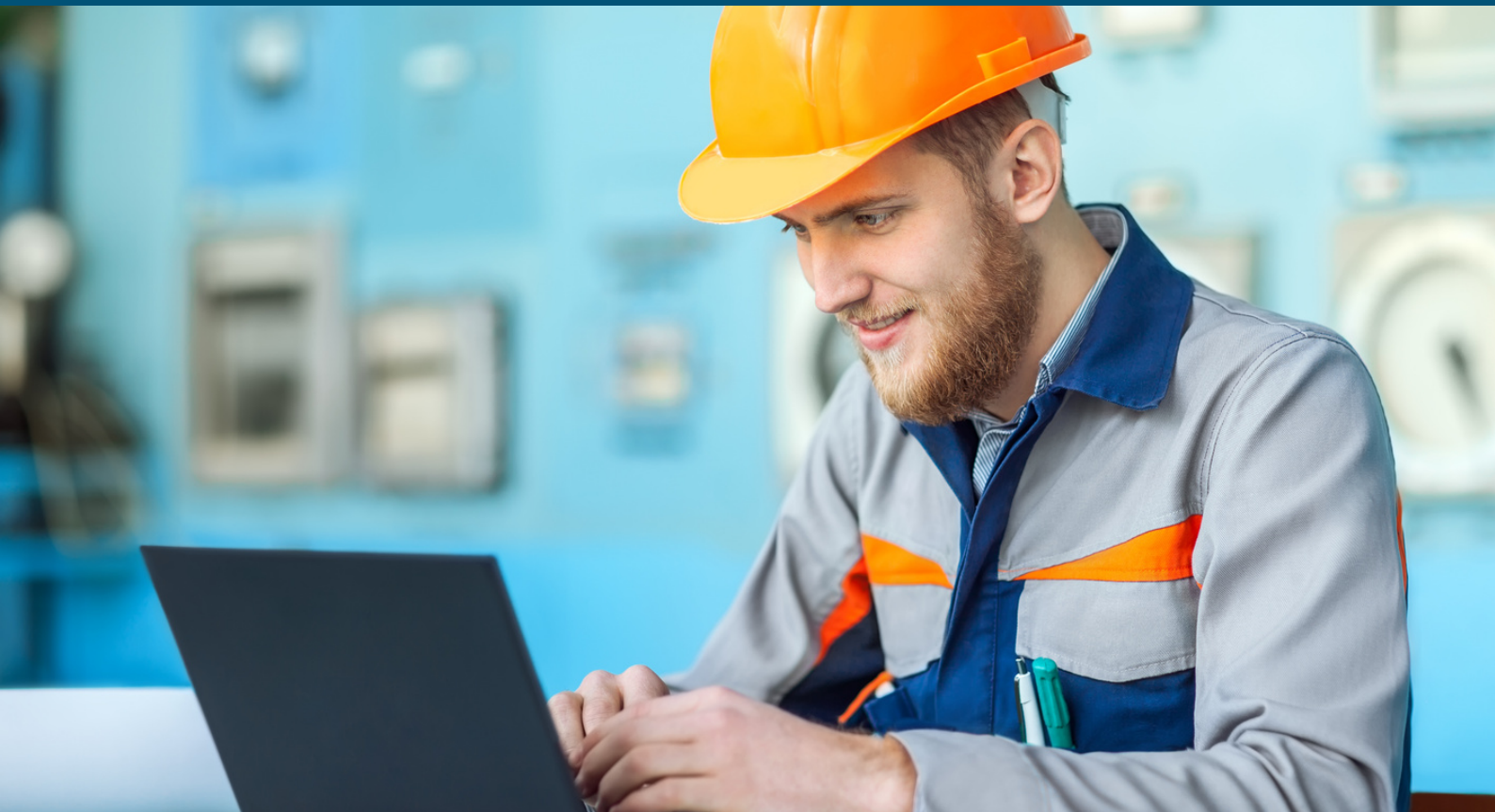
- Learners are given five days to complete their class project and submit before the deadline

DAY 10

Class project evaluation and
issue completion certificates

- Learner class projects are evaluated and critique sent back to learners
- Certificate of completion is issued once 100% of online course work is completed and class projects submitted





How to enroll

Individual enrolment - Please complete enrolment directly on our website:

<https://www.palucraft-gccstudy.com/palucraft-api-579-fitness-for-service-fundamentals-course>

You will be able to complete the request for enrolment form from the website.

Corporates & group enrolment - Please request bulk enrolment form via info@palucraft.com

Cost

R5175.00 (incl. VAT) per attendee. Enrolment will be confirmed upon full payment.

A payment plan is not available for this course.

Note: Employers who enroll more than 10 learners will receive special discounts.

TERMS AND CONDITIONS

By accepting these Terms and Conditions, the Course Participant/Applicant, and/or sponsor (i.e. paying company) as the authorising signatory hereby confirms that they have read and accepted the Palucraft (Pty) Ltd policies and Terms & Conditions below for any and all registration:

1. REGISTRATION FEES AND PAYMENT TERMS

- 1.1. On receipt of your registration completed on Palucraft (Pty) Ltd official registration form, you will receive a VAT invoice and a welcome email.
- 1.2. The registration fee for the training course covers all written materials, lunches and refreshments, email post-course support & access to eLearning material only.
- 1.3. Any bank charges incurred or foreign taxes payable to foreign taxation entities are for the account of the participating organisation and/or Course Participant. The full amount as stated on the invoice is payable to Palucraft (Pty) Ltd.
- 1.4. The course requires full payment as per the invoice due date or issue of a valid & approved Purchase Order (PO).
- 1.5. Palucraft (Pty) Ltd reserves the right to accept or decline POs as a commitment to make payment for the course.
- 1.6. The following methods of payment are accepted: direct deposit, electronic payment and card payment at our offices. Cash payments cannot be accepted.
- 1.7. Course participant shall remain liable of full payment of course fees irrespective of their company not paying.

2. CANCELLATION

- 2.1. All course participation cancellations must be received in writing.
- 2.2. Cancellation of registration can be done up to 10 business days before the training course takes place.
- 2.3. In the event of cancellation is done before 10 business days before the course where registration and payment has already been made, Palucraft (Pty) Ltd will issue a 100% credit for the value paid to be used towards any of the Palucraft (Pty) Ltd courses only for up to 12 months from the date of issue.
- 2.4. For any cancellations received less than 10 working days before the training course takes place, the full fee is payable and no credit notes or refunds will be given.
- 2.5. No refunds or credit notes will be given to Course Participants who do not cancel or fail to attend the training course under any circumstances
- 2.6. If you do not cancel/transfer and/or fail to attend for any reason, you are still responsible and liable for full payment. This clause is also applicable if we have received your signed registration form, invoiced you and are still awaiting full payment or a PO.
- 2.7. Failure to pay does not constitute a cancellation.

3. DISCOUNT POLICY

- 3.1. Many of our discounts are time sensitive, if we have not received full payment by the date stipulated on the invoice we reserve the right to re-invoice the Course Participant at the Normal Price, which will then be payable and payment of the discounted rate will no longer be accepted.
- 3.2. Multiple booking discounts only apply when Course Participants are all registered at the same time and they may not be used in conjunction with any other special discount or offer which may be offered from time-to-time.
- 3.3. Unless otherwise stated, any discount available on any training course may not be used in conjunction with any other special offer or discount which may be offered from time-to-time.

4. LATE BOOKING

- 4.1. Any registrations received 2 days before the start of any training course will automatically incur a R900 + 15% VAT late booking surcharge.
- 4.2. Courier fees - As the preparation of our courses takes place in good time, any late bookings for courses may incur additional courier fees. The courier fees will be added to the invoice at the time of registration. Palucraft (Pty) Ltd will not be held responsible for any issues relating to the service or lack thereof by any courier company.
- 4.3. It is encouraged to make any registrations in good time to avoid any additional surcharges.

5. RIGHT OF ADMISSION RESERVED

- 5.1. We reserve the right to refuse any potential Course Participant to register for and/or attend any training course if we believe in our sole discretion that the attendance of that Course Participant may disrupt or in any way interfere with the quality of the training course.
- 5.2. We reserve the right to refuse admission to any training course if evidence of full payment cannot be shown.

6. COURSE PARTICIPATION TRANSFERS

- 6.1. You are entitled to one (1) free transfer from the training course on which you were originally registered to another training course. However, if the newly requested dates are sold-out we reserve the right to transfer you to the next available open dates or to an alternative training course.
- 6.2. No transfers will be accepted from 3 business days prior to the start of any training course that you were originally registered for.
- 6.3. A transfer request received less than 3 business days prior to the start of the training course will be charged a Late Transfer Fee of R2000 +15% VAT.
- 6.4. All transfer requests shall be made in writing and will be confirmed via email only.
- 6.5. Transfers will only be accepted where full payment of the registration fee and/or the Late Transfer Fee can be shown. In the event of any amount being outstanding the original invoice will have to be settled as well as any Late Transfer Fee Invoice before transfer is made.
- 6.6. No cancellations will be accepted for registrations which are transferred.

TERMS AND CONDITIONS (CONTINUED)

7. COURSE PARTICIPANT SUBSTITUTION CONDITIONS

7.1. Registered Course Participants may be substituted at any time prior to the start of the training course and will not incur any additional charges.

7.2. Palucraft (Pty) Ltd reserves the right to change the date, location or Course Leader and if necessary to cancel, postpone or reschedule the training course without notice; however we will undertake to advise all Course Participants of any changes in writing as soon as possible. In the unlikely event that we cancel, postpone or reschedule the training course for any reason, we will automatically give you a 100% credit note to the value of monies received which can be used over the next 12 months only and we hereby disclaim any further liability.

7.3. In part substitutions shall not be accepted under any circumstances. Course participant is required to attend the course from the beginning to the end.

8. LEGAL DECLARATION OF INDEMNITY

8.1. The planning for our training courses takes place well in advance and all information is correct at the time of publication.

8.2. Palucraft (Pty) Ltd reserves the right to change the date, location or Course Leader and if necessary to cancel, postpone or reschedule the training course without notice; however we will undertake to advise all Course Participants of any changes in writing as soon as possible. In the unlikely event that we cancel, postpone or reschedule the training course for any reason, we will automatically give you a 100% credit note to the value of monies received which can be used over the next 12 months only and we hereby disclaim any further liability.

8.3. Acknowledgement is made that Palucraft (Pty) Ltd and any of its divisions does not accept responsibility for damage or loss in respect of property of the applicant or in respect of property brought onto Palucraft (Pty) Ltd venues (rented or otherwise) by the applicant.

8.4. Palucraft (Pty) Ltd and any of its divisions are hereby indemnified in respect of any damage caused by the applicant to the Palucraft (Pty) Ltd property or to property of third parties, whether on or off the Palucraft (Pty) Ltd premises, as a result of the applicant's actions either whilst on the Palucraft (Pty) Ltd property or property of third parties or whilst engaged in any activity related to Palucraft (Pty) Ltd. The Course Participant shall be liable of any damaged caused by the Course Participant while at the said property or premises.

8.5. Course participants undertakes to be bound by the rules, regulations, terms, conditions and policies of the Palucraft (Pty) Ltd for the time being in force, including the rules and regulations of any property of third parties during the orientation period and for any period during which the applicant is a participant in any of the courses.

8.6. The Course Participant declares that he/she will furnished Palucraft (Pty) Ltd with all the information required to make an informed decision about his/her admission.

8.7. The Course Participant undertakes to pay unconditionally all fees, charges and equipment surcharges payable to Palucraft (Pty) Ltd as they fall due for payment.

8.8. Non-attendance will not result in a reduction of fees, nor will it absolve the participant or the other signatories from full liability for the payment of fees.

8.9. Amendments to the registration or contract may be made only with the written consent of Palucraft (Pty) Ltd.

8.10. The participant agrees to be bound by the rules of due performance, Palucraft (Pty) Ltd reserves the right to exclude the participant from an examination or withhold examination results if his/her due performance requirements have not been met, without in any way detracting from the right of Palucraft (Pty) Ltd to recover fees payable.

8.11. No fees will be paid via instalments unless otherwise authorised in writing by Palucraft (Pty) Ltd.

8.12. Access to the eLearning site will be for twelve (12) months from date of first class.

Palucraft (Pty) Ltd

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2021

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Website: www.palucraft-gccstudy.com

Company registration number: 2014/093627/07

BBBEE status: Level 1

Legal compliance: Income tax, VAT, UIF, PAYE, COIDA, SDL

CSD registration: Yes

QCTO accreditation number: 07-QCTO/SDP150921-3013

DECIDE. LEARN. SUCCEED

