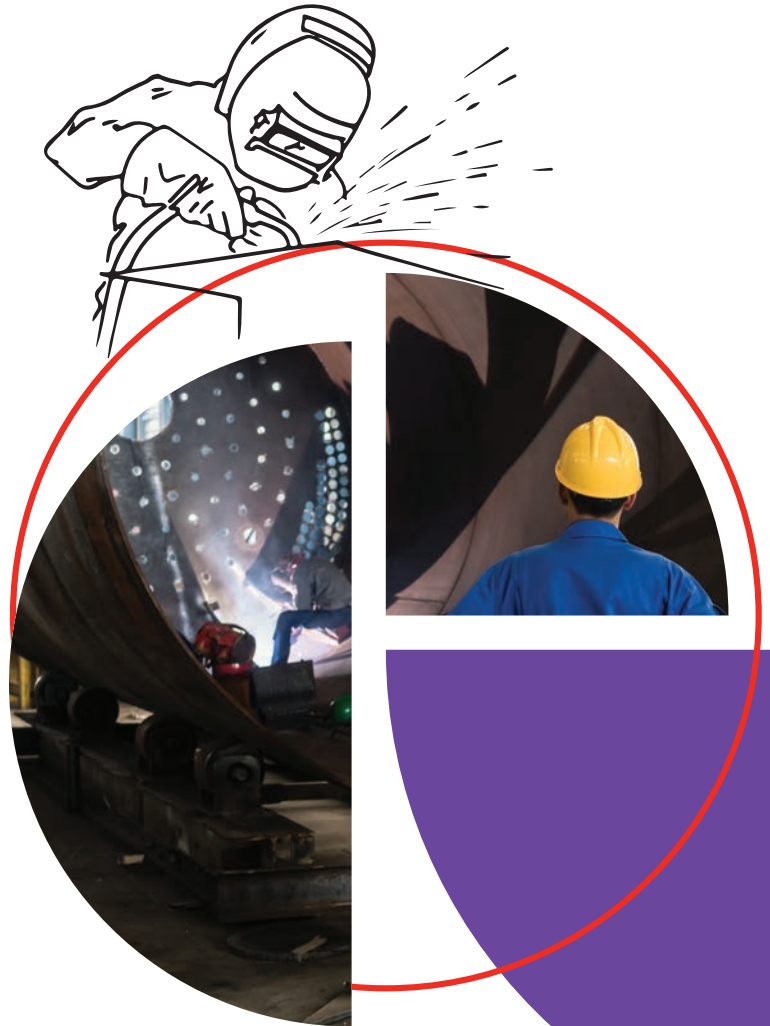


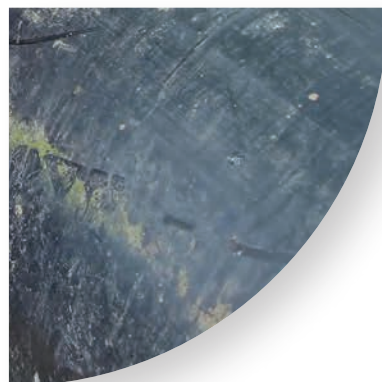
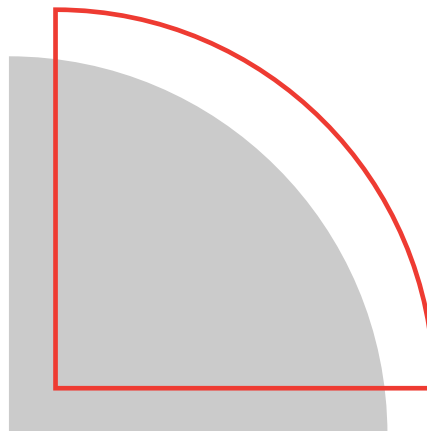
WELDING INSPECTORS & COMPETENT PERSONS COURSES 2024

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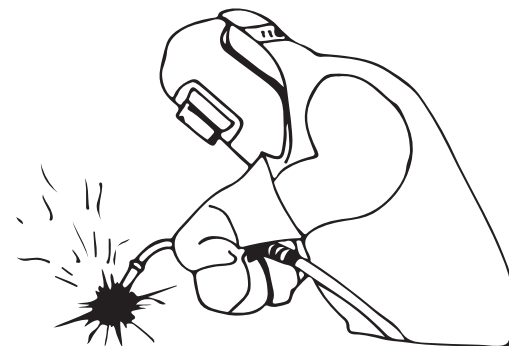
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SAIW offers industry developed training programmes, which aim to provide the candidates with the necessary skills to meet industry needs. Our skills programme is in the process of being registered with the relevant QCTO, and once registered, may be recognised as part qualifications and contribute credits towards NQF aligned qualifications.



FOCUSED APPROACH TO 2024 COURSE OFFERING



RATIONALISED NUMBER OF COURSES MEANS STUDENTS SHOULD PLAN AHEAD AND BOOK TODAY!

The aftershocks of the COVID-19 pandemic and resultant shifts in student numbers and their availability have seen the SAIW rationalise its current approach so that although the number of scheduled courses we offer remains exactly the same, but the number of times these particular courses are offered through the year has been reduced, to provide a more streamlined offering. In line with this more focused approach, we are therefore proud to launch our courses for 2024!

(SEE THE FULL LIST IN THE TABLE ON THE NEXT PAGE WHICH PROVIDES A CLEAR IDEA OF THE COURSES WE OFFER).

Cost benefit

The cost benefit of this streamline approach is that a third of our courses have been reduced in price and more than half our course prices have been increased at less than the inflation rate.

Plan ahead

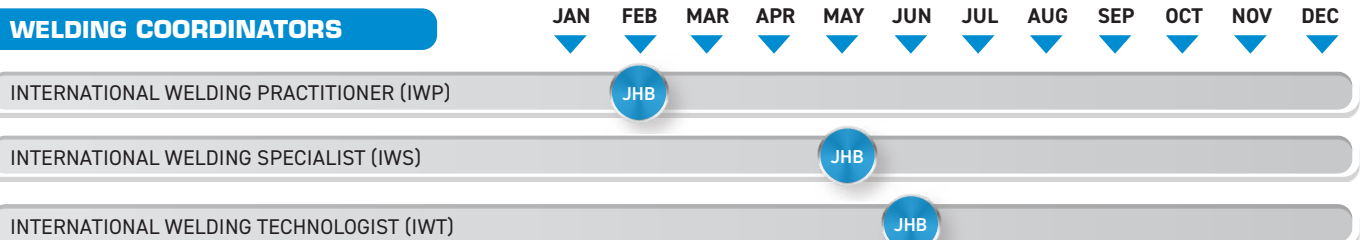
The more streamlined and cost-effective approach means that students need to plan their training schedule for 2024 well in advance and book early to ensure they are in time for their desired course start date next year. *See your options on the next page.*

Non-scheduled & Regional Courses – demand dependent

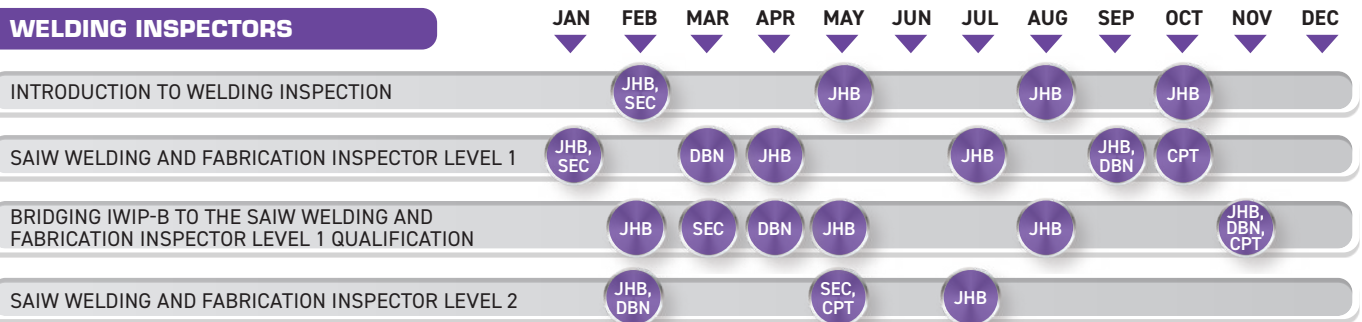
Despite this streamlined approach, the SAIW remains committed to offering scheduled and non-scheduled regional courses in Cape Town and Durban. A minimum of five students are required per course to run. As soon as the minimum number of people have booked in your region, the course will be scheduled.

SAIW 2024 COURSE START DATES AT A GLANCE....

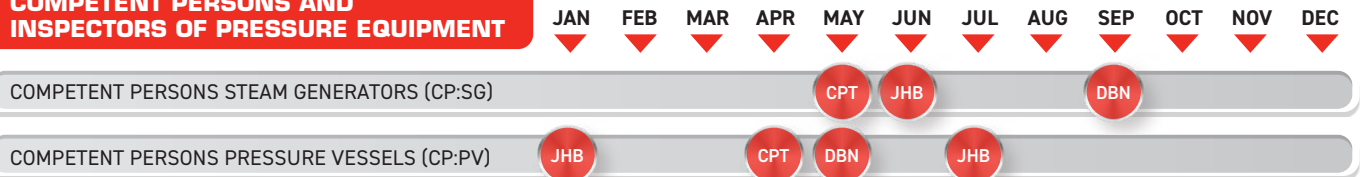
WELDING COORDINATORS



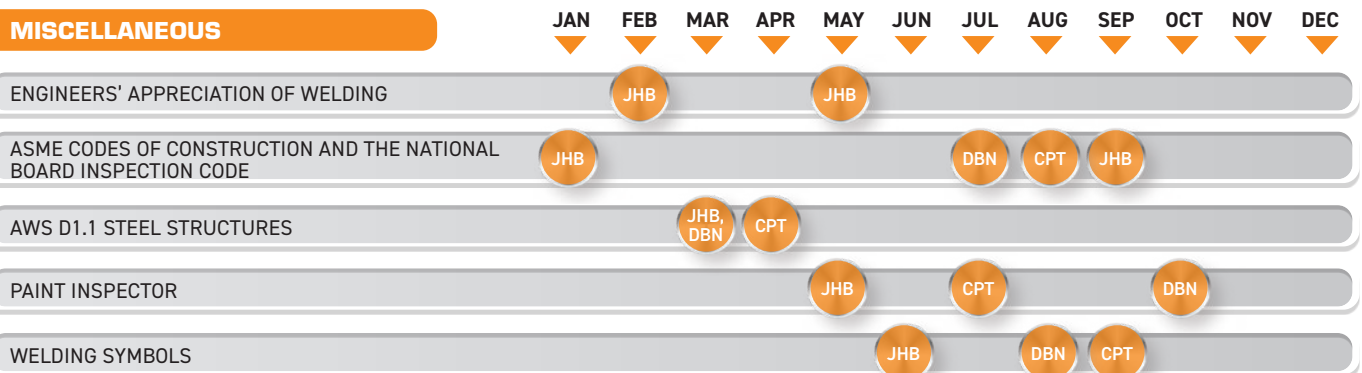
WELDING INSPECTORS



COMPETENT PERSONS AND INSPECTORS OF PRESSURE EQUIPMENT



MISCELLANEOUS



BOOKINGS & QUERIES

CONTACT DETAILS

Training	training@saiw.co.za
Practical Welding	welding@saiw.co.za
Examinations	exams@saiw.co.za
Qualification & Certification	qualcert@saiw.co.za
Company Audits	iso3834@saiw.co.za
Technical Services	technical@saiw.co.za
Laboratory Testing	mat.lab@saiw.co.za
Payments / Account	debtors@saiw.co.za
Invoicing	invoicing@saiw.co.za
Feedback	info@saiw.co.za
Complaints / Compliments	quality@saiw.co.za
Appeals	quality@saiw.co.za
Quality	quality@saiw.co.za
Formal interaction	info@saiw.co.za
Creditors	creditors@saiw.co.za

Management

Finance & Administration	michelle.warmback@saiw.co.za
Training	mark.digby@saiw.co.za
Practical Welding	confidence.lekoane@saiw.co.za
Technical Services	confidence.lekoane@saiw.co.za
Company Audit & Certification	renier.mostert@saiw.co.za
Personnel Examinations	harold.jansen@saiw.co.za
Personnel Qualification / Certification	harold.jansen@saiw.co.za
Approved Training Bodies	harold.jansen@saiw.co.za
Executive Director	john.tarboton@saiw.co.za

ABOUT WELDING INSPECTORS

Welding inspectors are the guardians of quality and safety in the welding industry. Their role is pivotal in ensuring that welds meet stringent standards, codes, and specifications, ultimately guaranteeing the integrity of welded structures and components. At the Southern African Institute of Welding (SAIW), we recognize the critical importance of welding inspectors and offer comprehensive training programmes that empower individuals to become qualified Welding and Fabrication Inspectors at both Level 1 and Level 2.

Level 1 and Level 2 Certification

Our Welding and Fabrication Inspector courses are designed to provide in-depth knowledge and hands-on training to individuals aspiring to become proficient inspectors. These programmes cover a wide range of topics, including welding processes, codes and standards, defect identification, inspection techniques, and quality control. Upon successful completion of these courses, individuals can earn internationally recognised certifications, making them well-prepared to take on the responsibilities of welding inspection roles in various industries.

IWIP-B + ASME + D1.1 = Welding and Fabrication Inspector Level 1

IIW IWIP Basic and Standard

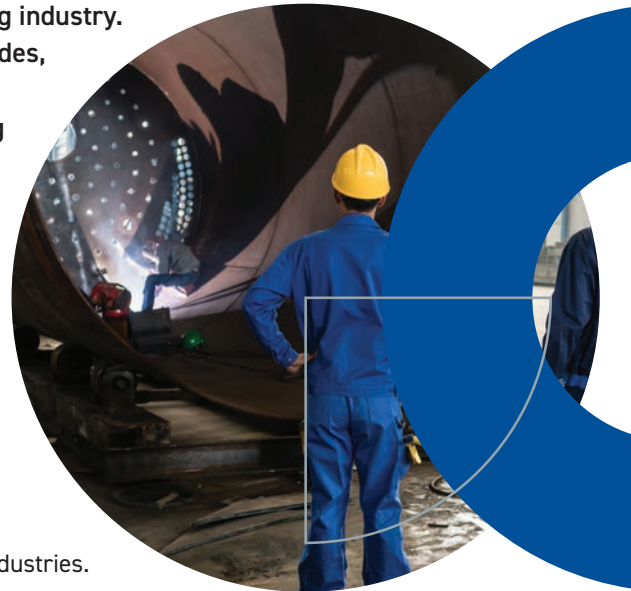
SAIW's commitment to excellence extends to incorporating the International Institute of Welding's (IIW) International Welding Inspection Personnel (IWIP) Basic and Standard qualifications into our Welding and Fabrication Inspector courses. This means that our students not only receive industry-leading training, but also gain access to globally recognised qualifications. The IIW IWIP certifications open doors to international opportunities, as they are widely respected and sought after by employers and organisations worldwide.

Welding and Fabrication Inspector Level 1 + Oral = IWIP-B

Welding and Fabrication Inspector Level 2 + Oral + 2 Years Experience = IWIP-S

SAQCC Competent Persons (CP) and Inspector of Pressure Equipment (IPE)

In addition to IIW certifications, SAIW offers training and preparation for the South African Qualification & Certification Committee (SAQCC) Competent Persons (CP) and Inspector of Pressure Equipment (IPE) certifications. These credentials are crucial for individuals seeking to specialise in the inspection of pressure equipment and demonstrate their competence in ensuring the safe operation of pressure vessels, boilers, and related equipment. These certifications are highly regarded within South Africa's industrial landscape.



ABOUT WELDING INSPECTORS

YOUR CAREER

By choosing SAIW for your welding inspection training, you embark on a path to becoming a skilled and internationally recognised welding inspector. Your role will involve conducting critical inspections, ensuring compliance with industry standards, and contributing to the safety and quality of welding projects. Welding inspectors are in high demand globally, and our programmes are designed to equip you with the knowledge and skills needed to excel in this rewarding and vital profession. With experience, you can develop a solid technical base, which then allows you to move into other areas such as production management, quality assurance and control, risk management, third party inspection, and technical management.

Enrol in an SAIW course and invest in your future as a welding inspector. Your qualification will not only be a testament to your expertise but also a passport to a world of opportunities in the welding industry, both nationally and internationally.



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phone.

INTRODUCTION TO WELDING INSPECTION



A KEY STEP TO BECOMING A QUALIFIED WELDING INSPECTOR

The SAIW's INTRODUCTION TO WELDING INSPECTION COURSE gives candidates with no industry experience (or who do not meet the entry requirements to the SAIW Welding and Fabrication Inspector Level 1 i.e. Matric Maths or Science), the ability to quickly familiarise themselves with welding quality control.

THE COURSE PROVIDES TRAINING ON:

1

An introduction to welding terminology

2

Description of common welding processes

3

Material science

4

Inspection techniques and defects

5

Welding and fabrication codes

6

Quality control documentation

7

Basic mathematics and science

**R5 000
DISCOUNT
SEE PAGE 11**

BONUS!

Completing this training will fast track your welding inspection learning curve and boost your ability to pass the SAIW Welding and Fabrication Inspector Level 1 course!

The good news is mastering these skills will serve as a gateway to a career in welding quality control and inspection.

www.saiw.co.za

Please refer to contacts on page 5

INTRODUCTION TO WELDING INSPECTION

COURSE INFORMATION

ENTRY REQUIREMENTS

None

COURSE OUTLINE

- Quality control, welding codes and standards, welding terminology.
- Overview of Mathematics, Science, Engineering and Material for Welding Technology.

PLEASE NOTE

"A 60% minimum is required in all end-of-course examinations"

INTRODUCTION TO WELDING INSPECTION

THE COURSE IS INTENDED TO prepare you for the SAIW Welding and Fabrication Inspector Level 1 course. We are so confident about this that if you fail your SAIW Inspector Level 1 course, we will give you the first rewrite for free!

In addition, if you pass this course, you will get the full price of this course, as a discount, off your SAIW Level 1 course if you take up this offer within 12 months of completing this course.

COURSE DURATION

10 Days

PRICING (Including VAT)

Corporate Member **R 11,600**

Non-Corporate Member **R 12,500**

COURSE SCHEDULE | Introduction to Welding Inspection

JOHANNESBURG, SECUNDA, DURBAN, CAPE TOWN

WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	JHB 03	JHB 04	JHB 05	SEC 01	DBN 01	CPT 01
1	Introduction to Welding Processes Metallurgy	40	26 Feb - 01 Mar	13 - 17 May	10 - 14 Jun	26 - 30 Aug	28 Oct - 01 Nov	19 - 23 Feb	*	*
	Metallurgy									
2	Visual Inspection	32	04 - 07 Mar	20 - 23 May	18 - 20 Jun	02 - 05 Sep	04 - 07 Nov	26 - 29 Feb	*	*
	Welder Qualifications									
	NDT Reports									
	Materials Test Certificates									
Examination			08 Mar	24 May	21 Jun	06 Sep	08 Nov	01 Mar		

* Contact elizabeth.shole@saiw.co.za who will put you on the waiting list. As soon as there are five prospective students, a course will be scheduled



SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1

INCORPORATING IIW IWIP BASIC LEVEL

The SAIW Level 1 course introduces candidates to welding processes, its applications, advantages and disadvantages as well as typical defects. It also introduces candidates to materials technology and the impact of welding on material properties. Visual inspection, quality assurance and quality control and welder code approval are covered in Level 1.

This course has been in existence for over 40 years and has been continually refined to meet industry requirements. The course has been refreshed and refined to ensure it is completely up to date and will deliver more comprehensive knowledge than ever before. This is a result of amalgamating the SAIW Welding and Fabrication course with the IIW IWIP Basic course creating a world-class course.

STUDENTS WILL COVER SOME OF THE FOLLOWING TOPICS

- 1 ASME VIII visual inspection aspects
- 2 AWS D1.1 Welder Qualifications
- 3 ASME IX Welder Qualifications
- 4 NDT Reports

Upon successful completion of the SAIW Welding and Fabrication Inspectors level 1, the candidate will be issued with the SAIW Welding and Fabrication Inspectors Level 1 qualification certificate and the IIW IWI Basic Diploma. (Please refer to the IIW IWI-basic requirements alongside)



IIW IWI-BASIC REQUIREMENTS

According to the International Approvals Board (IAB) guidelines for the requirements for International Welding Inspector – Basic level, the practical part of the final examination is divided into two parts, one of which tests the competence of the candidate undertaking a range of inspection tasks. The second part will be an oral interview/examination to assess the candidate's comprehension of the tasks involved and written results and reports. The oral examination will test the candidate's understanding and interpretation of international quality standards and focuses on the quality aspects of international standards, and quality related documentation, such as control manuals.

SAIW welding and fabrication inspector level 1 + practical oral = IWIP/B

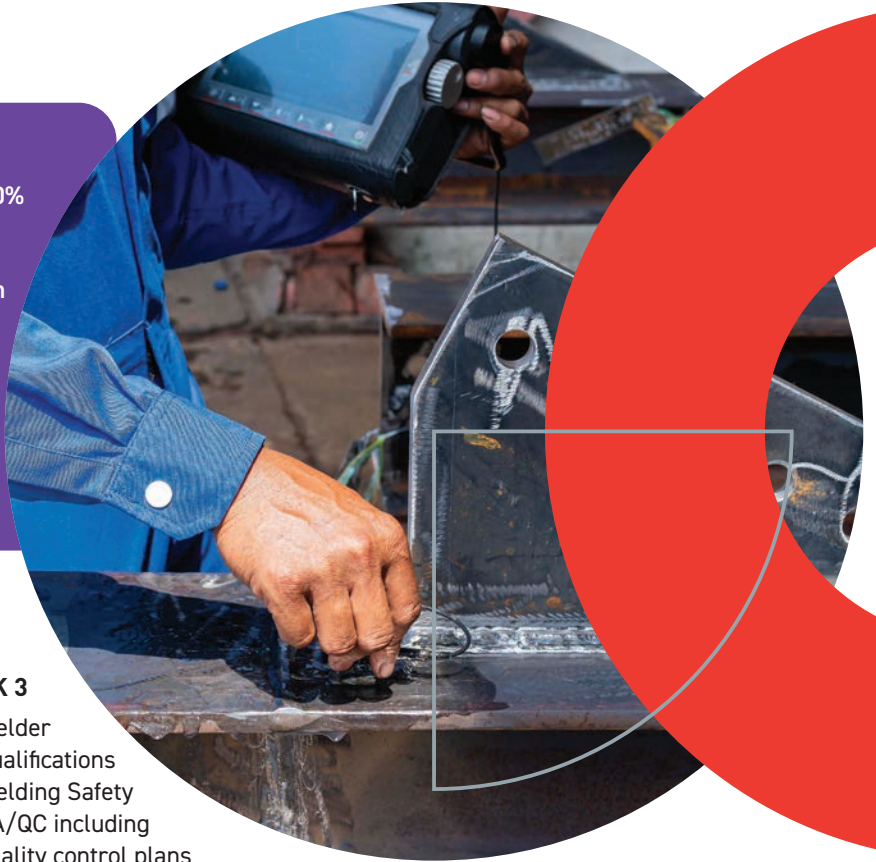
Once a student completes the Level 1 training, they may progress onto the SAIW Welding and Fabrication Inspectors Level 2 course. The progression will enable students to enhance their curriculum vitae.

SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1

COURSE INFORMATION

ENTRY REQUIREMENTS

- 1 Matric Maths and Science with a minimum 50%
OR
- 2 Successful completion of SAIW's Introduction to Inspection course
OR
- 3 Passed first year in an Engineering Diploma or Degree (N4)
- 4 IWS, IWT or IWE qualification



COURSE OUTLINE

WEEK 1

- Terms & Definitions
- Welding Processes
- Welding Defects

WEEK 2

- Materials including Mill certificate
- Welding Symbols
- Visual Inspection
- Inspection Reports

WEEK 3

- Welder Qualifications
- Welding Safety
- QA/QC including quality control plans

WEEK 4

- Revision (3 days)
- Exam



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SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1

COURSE DURATION

20 days + 3 days revision + 2 days exams

PRICING (Including VAT)

Corporate Member **R 47,500**
 Non-Corporate Member **R 51,400**



COURSE SCHEDULE | SAIW Welding & Fabrication Inspectors Level 1

JOHANNESBURG

WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	JHB 03	JHB 04
1	Terms & Definitions	40	15 - 19 Jan	15 - 19 Apr	08 - 12 Jul	30 Sept - 04 Oct
	Welding Processes					
	Welding Defects					
2	Materials	40	29 Jan - 02 Feb	06 - 10 May	29 Jul - 02 Aug	21 - 25 Oct
	Welding Symbols					
	Visual Inspection					
	Inspection Reports & Regulations					
3	Welder Qualifications	40	19 - 23 Feb	27 - 31 May	19 - 23 Aug	11 - 15 Nov
	Welding Safety					
	Quality Assurance/Quality Control					
4	Revision	24	11 - 13 Mar	24 - 26 Jun	09 - 11 Sep	02 - 04 Dec
	Examination - Technology	3	14 Mar	27 Jun	12 Sep	05 Dec
	Examination - Inspection	2,5				
	Examination - Practical Paper A	3	15 Mar	28 Jun	13 Sep	06 Dec
	Examination - Practical Paper B	2				

SECUNDA | DURBAN | CAPE TOWN

WEEK	COURSE INFORMATION	HRS	SEC 01	DBN 01	DBN 02	CPT 01
1	Terms & Definitions	40	22 - 26 Jan	04 - 08 Mar	30 Sep - 04 Oct	14 - 18 Oct
	Welding Processes					
	Welding Defects					
2	Materials	40	12 - 16 Feb	11 - 15 Mar	07 - 11 Oct	21 - 25 Oct
	Welding Symbols					
	Visual Inspection					
	Inspection Reports & Regulations					
3	Welder Qualifications	40	11 - 15 Mar	22 - 26 Apr	04 - 08 Nov	18 - 22 Nov
	Welding Safety					
	Quality Assurance/Quality Control					
4	Revision	24	15 - 17 Apr	06 - 08 May	11 - 13 Nov	25 - 27 Nov
	Examination - Technology	3	18 Apr	09 May	14 Nov	28 Nov
	Examination - Inspection	2,5				
	Examination - Practical Paper A	3	19 Apr	10 May	15 Nov	29 Nov
	Examination - Practical Paper B	2				



BRIDGING IWIP-B TO SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1 QUALIFICATION

BRIDGING COURSE

COURSE INFORMATION

ENTRY REQUIREMENTS

- 1 IWIP B diploma
- 2 No experience required

COURSE OUTLINE

- AWS D1.1. Welder Qualification
- ASME IX Welder Qualification



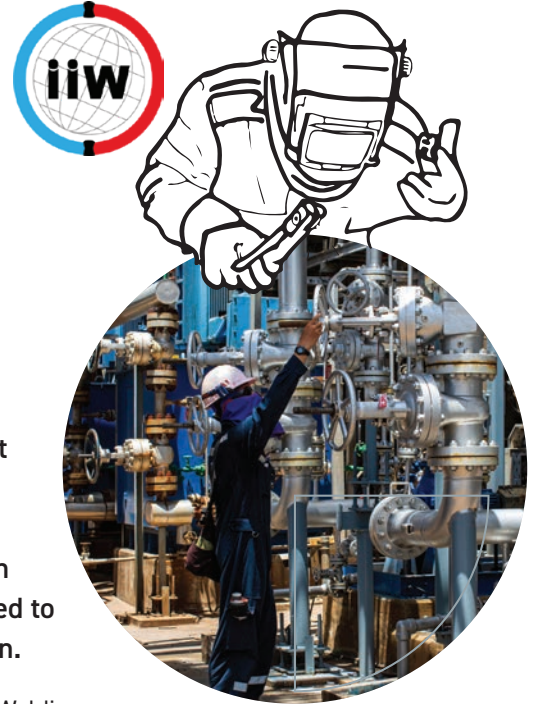
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Please refer to contacts on page 5

BRIDGING IWIP-B TO THE SAIW WELDING AND FABRICATION INSPECTOR LEVEL 1 QUALIFICATION



BRIDGING COURSE

COURSE DURATION 3 days with exam

PRICING (Including VAT)

Corporate Member **R 10,400** Non-Corporate Member **R 11,300**

Some inspectors may have completed the IWIP Basic level course when it was run as a stand-alone course. This means that they have not studied elements of ASME and AWS welding inspection requirements that are included in the SAIW Welding and Fabrication Inspector Level 1. To obtain the SAIW Welding and Fabrication Inspector Level 1 qualification they need to attend this short bridging course and pass the course specific examination.

After successfully completing the bridging course candidates are awarded the SAIW Welding and Fabrication Inspector Level 1 qualification and have access to the SAIW Welding and Fabrication Inspectors Level 2 course. Candidates are, however, advised to take note of the requirements related to the IWI Standard level qualification which is incorporated into SAIW Welding and Fabrication Inspector Level 2 course where 2 years working experience may be required before the IWI Standard diploma can be awarded (for more information contact SAIW training administration).

COURSE SCHEDULE | Bridging IWIP-B to SAIW Welding and Fabrication Inspector Level 1

JOHANNESBURG						
WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	JHB 03	JHB 04
1	Welder Performance - ASME IX	24	19 - 21 Feb	27 - 29 May	19 - 21 Aug	11 - 13 Nov
	Welder Performance - AWS D1.1					
	Examination - Welder Qualifications	0,5	22 Feb	30 May	22 Aug	14 Nov
SECUNDA, DURBAN, CAPE TOWN						
WEEK	COURSE INFORMATION	HRS	SEC 01	DBN 01	DBN 02	CPT 01
1	Welder Performance - ASME IX	24	11 - 13 Mar	22 - 24 Apr	04 - 06 Nov	18 - 20 Nov
	Welder Performance - AWS D1.1					
	Examination - Welder Qualifications	0,5	14 Mar	25 Apr	07 Nov	21 Nov

SAIW WELDING AND FABRICATION INSPECTOR LEVEL 2



COURSE INFORMATION

JOHANNESBURG, DURBAN, CAPE TOWN AND SECUNDA

ENTRY REQUIREMENTS

SAIW Welding & Fabrication Level 1 qualification.

COURSE OUTLINE

WEEK 1

- Construction and Design
- Materials Technology II

WEEK 2

- Destructive Testing
- Non-Destructive Testing

WEEK 3

- Heat Treatment
- Inspection and Quality Assurance

WEEK 4

- Procedure Qualification
- Fabrication Applications Engineering
- Legal Knowledge

WEEK 5

- Revision
- Examinations



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Please refer to contacts on page 5

SAIW WELDING AND FABRICATION INSPECTOR LEVEL 2

– Incorporating IIW IWI Standard

COURSE DURATION

20 days + 3 days revision + 2 days exams

PRICING (Including VAT)

Corporate Member **R 54,600**

Non-Corporate Member **R 59,000**

The SAIW welding inspector training programmes are tailored to meet industry requirements for welding inspection personnel involved in the fabrication, petrochemical, refinery, process plant, power generation, construction and other industries.

The SAIW Welding and Fabrication Inspector Level 2 training programme is essential to complete the training and education requirements for most welding inspectors. It provides added knowledge of materials technology and the impact of welding on materials. Heat treatment requirements of the major codes of construction are covered as are destructive testing and non-destructive testing of welded joints. The course is essential for inspectors working in the fabrication, petrochemical, refinery, process plant, power generation, construction and other industries.

Inspectors with this qualification are prepared for approval for code compliance of welding procedures. With suitable experience the Inspector will also be prepared to take on inspection management responsibilities.

STUDENTS HAVING SUCCESSFULLY COMPLETED THE SAIW WELDING AND FABRICATION INSPECTOR LEVEL 2 INSPECTOR COURSE MAY QUALIFY FOR THE INTERNATIONALLY RECOGNISED IIW IWI STANDARD LEVEL DIPLOMA, SUBJECT TO THE REQUIREMENTS:

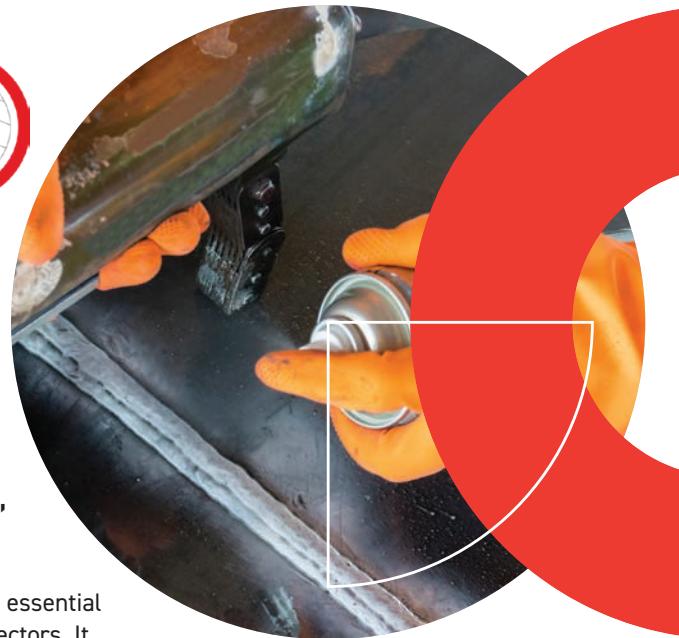
1 Both SAIW Level 1 and Level 2.

2 At least twenty years of age.

3 Have at least two years of relevant practical experience.

4 Students who qualified as SAIW Welding and Fabrication Inspector Level 2 before 2010 have to complete an extra 2 day module and exam in construction and design. (Details on application).

5 SAIW Welding and Fabrication Level 1 + Level 2 + Oral + 2 Years = IWIP-S



SAIW WELDING AND FABRICATION INSPECTOR LEVEL 2

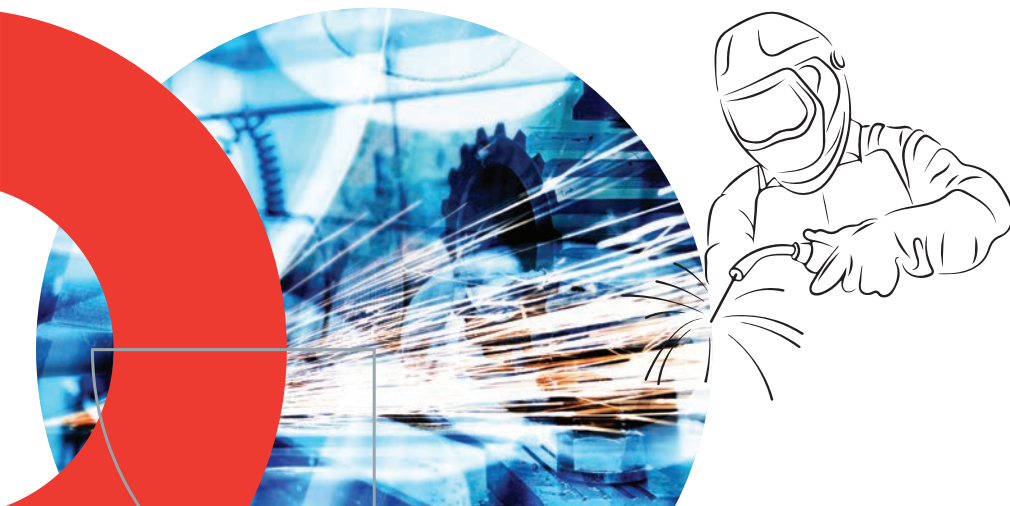
- Incorporating IIW IWI Standard (IWI-S)



COURSE SCHEDULE | SAIW Welding and Fabrication Inspector Level 2

JOHANNESBURG, SECUNDA, DURBAN, CAPE TOWN

WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	SEC 01	DBN 01	CPT 01
1	Construction and Design	40	12 - 16 Feb	29 Jul - 02 Aug	20 - 24 May	19 - 23 Feb	27 - 31 May
	Materials Technology II						
2	Destructive Testing	40	11 - 15 Mar	19 - 23 Aug	10 - 14 Jun	26 Feb - 01 Mar	03 - 07 Jun
	Non-Destructive Testing						
3	Heat Treatment	40	08 - 12 Apr	09 - 13 Sep	08 - 12 Jul	08 - 12 Apr	24 - 28 Jun
	Inspection and Quality Assurance						
4	Procedure Qualification	40	06 - 10 May	07 - 11 Oct	29 Jul - 02 Aug	15 - 19 Apr	01 - 05 Jul
	Fabrication Applications Engineering						
	Legal Knowledge						
5	Revision	24	03 - 05 Jun	28 - 30 Oct	12 - 14 Aug	13 - 15 May	22 - 24 Jul
	Examination - Open Book	3	06 Jun	31 Oct	15 Aug	16 May	25 Jul
	Examination - Closed Book	3					
	Examination - Practical	5	07 Jun	01 Nov	16 Aug	17 May	26 Jul



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INTERNATIONAL WELDING INSPECTION PERSONNEL – COMPREHENSIVE (IWIP-C)

COURSE INFORMATION

TECHNOLOGY/INSPECTION

JOHANNESBURG, DURBAN, CAPE TOWN AND SECUNDA



ENTRY REQUIREMENTS

- 1 IWI-S Level diploma plus 2 years experience at IWI-S Level.
- 2 Persons holding the IWE or IWT qualification are exempt from the technology component of IWI C and should contact SAIW training administration for details of a special course which covers only the inspection content of IWIP Basic, IWI Standard and IWI Comprehensive.

COURSE OUTLINE

- Advanced Welding Processes
- Materials Technology
- Construction and Design
- Fabrication, Application, Engineering
- Testing of Welds
- QA/QC

www.saiw.co.za

Please refer to contacts on page 5

INTERNATIONAL WELDING INSPECTION PERSONNEL – COMPREHENSIVE (IWIP-C)



COURSE DURATION

7 days + 2 days exam

PRICING (Including VAT)

Corporate Member **R 29,400** Non-Corporate Member **R 31,800**

The IWIP Comprehensive course is the most prestigious and the highest level of the IWIP courses. For candidates who have successfully completed the IWIP Standard course and are in possession of two years' Welding Inspection experience at the Standard level are eligible for the Comprehensive course.

On completing the course, inspectors will have extensive knowledge of welding and inspection theory and application. The course is presented in modular form similar to IWIP Standard and IWIP Basic i.e. there is a Technology module and an Inspection module that have to be successfully completed in order to attain the IWIP Comprehensive certificate.

Successful IWIP Comprehensive candidates will be able to manage all Inspection activities; supervise IWIP Basic and IWIP Standard personnel developing and then giving them appropriate (on-the job) instructions and act as technical experts for the inspection function.

People holding the IWT or IWE qualifications are exempt from the IWIP Comprehensive Technology module but are required to complete all the Inspection modules that is Basic Level, Standard Level and Comprehensive Level. SAIW will arrange appropriate courses subject to demand for IWE and IWT's.



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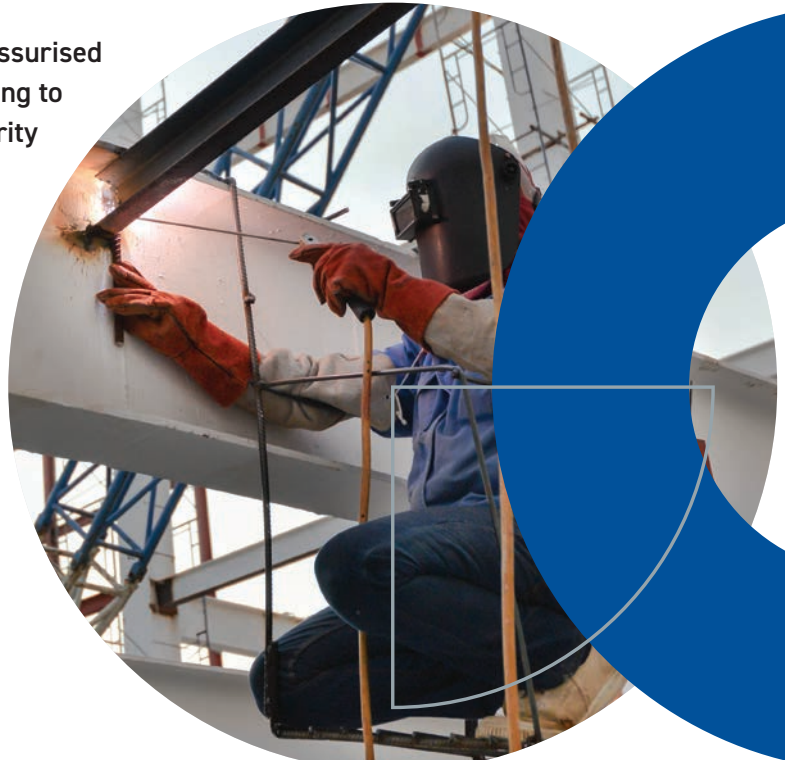


ABOUT COMPETENT PERSONS

The SAIW Competent Person (CP) or Inspector of Pressurised Equipment (IPE) courses are ideal for persons intending to work as inspectors for an Approved Inspection Authority (AIA). The CP courses are suitable for engineering personnel responsible for in-service inspection requirements, whilst the IPE courses are suitable for engineering personnel responsible for newly built or repaired equipment according to the Pressure Equipment Regulations (PER).

After completion of the courses at SAIW the individual will gain his required practical experience (10 vessels or 10 boilers) at an Authorised Inspection Authority (AIA).

The CP Steam Generator (CP-SG) and CP Pressure Vessel (CP-PV) are authorised inspectors of in-service equipment, whilst IPEs are authorised inspectors on newly built or repaired components for Pressure Equipment.



	Competent Persons		Inspector of Pressurised Equipment
Theory +	CP-PV (3-week course)	CP-SG (2-week course)	Inspectors Level 1 (4-week course)
			Inspectors Level 2 (5-week course)
			RT Interpreters (2-week course)
			ASME (2-week course)
Experience	10 Vessels (AIA)	10 Vessels (AIA)	10 Vessels (AIA)
=	CV	CV	CV
Certified	Certified CP-PV	Certified CP-SG	Certified IPE

ABOUT COMPETENT PERSONS

The CP certification will ensure that the user's responsibility in terms of the in-service inspection requirements of the Pressure Equipment Regulations (PER) are appropriately managed.

The IPE certification will ensure that the local fabricator or importer's responsibility in terms of the newly built or repaired inspection requirements of the Pressure Equipment Regulations (PER) are appropriately managed.

Both CP and IPE are certified personnel as required by the South African Department of Employment and Labour according to the Occupational Health and Safety Act.

CPs and IPEs are required to be certified by the SAQCC CP or SAQCC IPE certification bodies and it is an essential requirement that the candidates have successfully completed an approved training course for certification.

Scope - CPs

Successful candidates will have a basic knowledge of common welding processes used in Steam Generator or Pressure Vessel manufacture and repair and the defects that may occur in original manufacture; have gained knowledge and understanding of the defects that arise in service and possible equipment failure mechanisms; have gained knowledge of the suitability of NDT test methods; understand the roles and responsibilities of the user, the AIA in-service and the competent person inspector in complying with the in-service inspection requirements of the PER and have sufficient technical knowledge to be able to perform in-service inspection.

Scope - IPEs

Successful candidates will have extensive knowledge of common welding processes, weld metallurgy, heat treatment, NDT methods and welding coordination used in the fabrication and repair of steam generator and pressure vessels.

The candidate will be able to verify correct welders and welding procedures and be able to interpret and evaluate radiographs. The candidate will review data packs and sign them off on behalf of the AIA.

The IPE will understand the roles and responsibilities of the fabricator, the AIA for new and repaired pressure equipment. He will also liaise with the CP before the components are placed back in-service and the competent person inspector in complying with the in-service inspection requirements.



COMPETENT PERSONS

COURSE INFORMATION

ENTRY REQUIREMENTS

- 1 Matric OR
- 2 Successful completion of SAIW's Introduction to Inspection Course OR
- 3 Two years professional welding experience OR
- 4 Gr. 10 plus a pass in an SAIW proficiency test OR
- 5 Welding Inspection Level 1 qualification.

STEAM GENERATORS

COURSE DURATION

10 Days

PRICING (Including VAT)

Corporate Member **R 29,400**
Non-Corporate Member **R 31,800**

TRAINING EVALUATION

The Core Week examination has two parts which ensure candidates understand the requirements of the PER and have a good general knowledge of the common defects and failure mechanisms arising with steam generators in-service.

PRESSURE VESSELS

COURSE DURATION

15 Days

PRICING (Including VAT)

Corporate Member **R 39,400**
Non-Corporate Member **R 42,600**

TRAINING EVALUATION

The Core Week examination has two parts, which ensure candidates understand the requirements of the PER and have a good general knowledge of the common defects and failure mechanisms arising with pressure vessels in-service.

COMPETENT PERSONS

COURSE SCHEDULE | Competent Persons Steam Generators

JOHANNESBURG, DURBAN, CAPE TOWN

WEEK	COURSE INFORMATION	HRS	JHB 01	DBN 01	CPT 01
1	Legislation	40	24 - 28 Jun	09 - 13 Sep	06 - 10 May
	PER Codes and Standards				
2	Failures	32	01 - 04 Jul	16 - 19 Sep	13 - 16 May
	Examination - Closed Book	1,5	05 Jul	20 Sep	17 May
	Examination - Open Book	2			



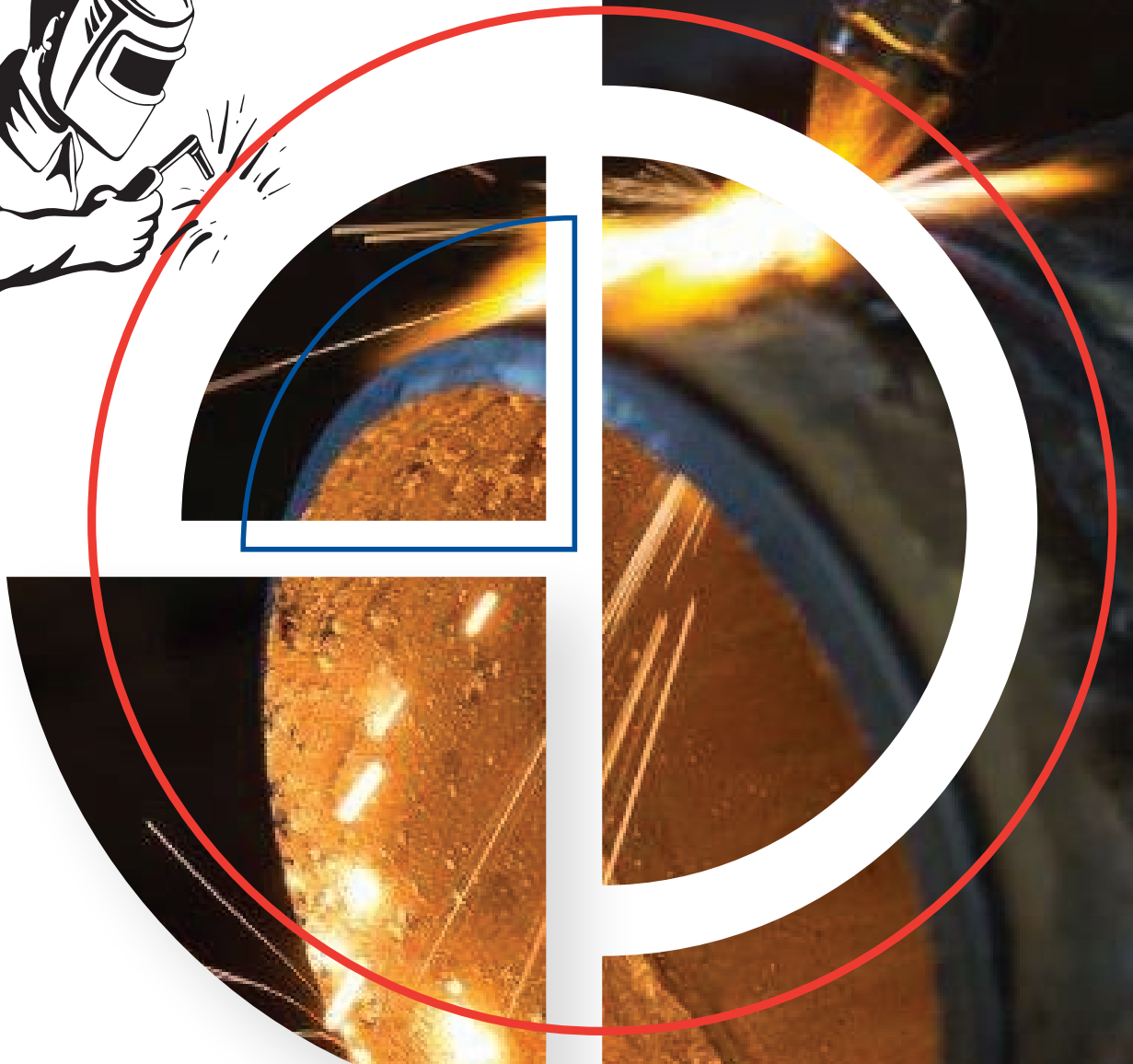
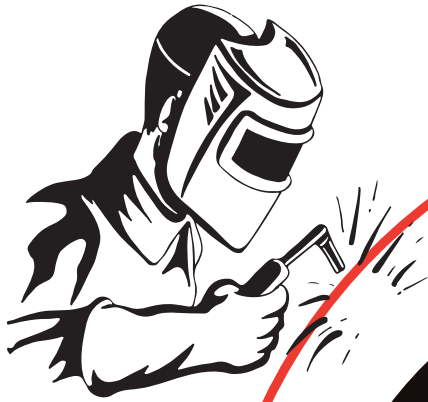
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COMPETENT PERSONS

COURSE SCHEDULE | Competent Persons Pressure Vessels

JOHANNESBURG, DURBAN, CAPE TOWN											
WEEK	COURSE INFORMATION	HRS	JHB 01	JHB 02	DBN 01	CPT 01					
1	API 510 Inspection of Pressure Vessels	40	29 Jan - 02 Feb	15 - 19 Jul	27 - 31 May	08 - 12 Apr					
	API RP 572 Inspection Practice For Pressure Vessels										
	API RP 571 Damage Mechanisms Affecting Fixed Equipment in the Refining Industry										
	API RP 577 Welding Processes, Inspection and Metallurgy										
2	NB-23 National Board Inspection Code- Part 2 - Inspection	40	05 - 09 Feb	22 - 26 Jul	03 - 07 Jun	15 - 19 Apr					
	ASME PCC-2 Repair of Pressure Equipment and Piping										
	API RP 580 Risk-based Inspection										
	API 579 Fitness for Service										
3	PER- Pressure Equipment Regulations	40	04 - 06 Mar	26 - 28 Aug	10 - 12 Jun	22 - 24 Apr					
	SANS 347 - Categorization and Conformity Assessment Criteria for all Pressure Equipment										
	SANS 10227 - Criteria for the Accreditation of Approved Inspection Authorities Performing Inspection in Terms of the Pressure Equipment Regulations										
	Appreciation of SANS 17020-2012 Conformity Assessment - Requirements for the Operation of Various Types of Bodies Performing Inspection										
	Examinations - Open Book Paper A						2,5	07 Mar	29 Aug	13 Jun	25 Apr
	Examinations - Open Book Paper B						2,5				
	Examinations - Open Book Paper C						2,5	08 Mar	30 Aug	14 Jun	26 Apr
	Examinations - Open Book Paper D						2,5				



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Please refer to contacts on page 5

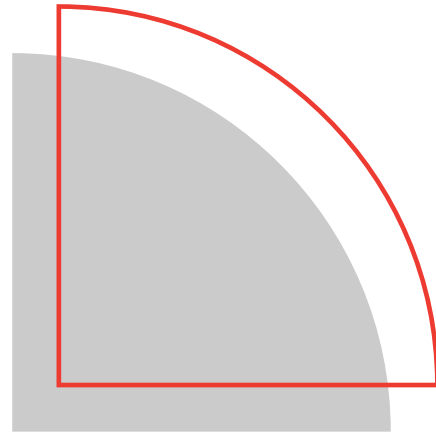
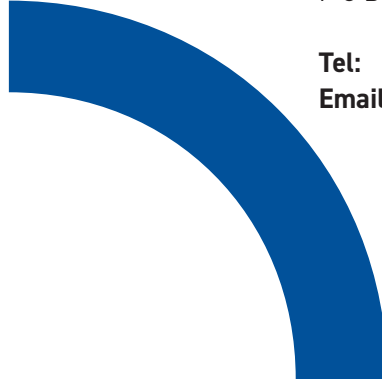
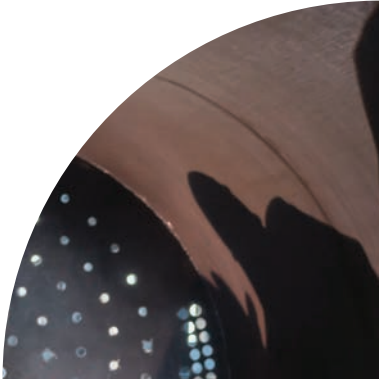


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