

ALBERTA'S

FUTURE MAGAZINE

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**CCIS Pressure Equipment Inspection
Technician (PEIT) Training Program**

**With the
Support of
IPEIA**

**Diverse
TALENT POOL**



**CCIS Pressure
Equipment Inspection
Technician (PEIT)
Training Program**



Welcome to the special edition of Alberta's Future magazine, our new quarterly supplement designed to showcase our latest program, Pressure Equipment Inspection Technician (PEIT) training, which serves to highlight the qualified, well-trained students filling the labour gaps in the integrity and inspection sectors. This is for readers who want to know about our strength as an organization and about those who are involved behind the scenes to make the program possible.

I hope you enjoy this edition-we cannot wait to issue our annual copy of Alberta's Future 2018 edition. Please let us know if you would like to contribute or be featured in our next annual magazine.

Khalid Hakim

Chief Editor, Program Coordinator/Media Specialist
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CCIS Pressure Equipment Inspection Technician (PEIT) Training Program

The Pressure Equipment Inspection Technician (PEIT) program has a duration of 34-weeks and is designed as an entry-level program for the Pressure Inspection and non-destructive testing (NDT) industries.

The students, upon completion of the program, will have a good background in ASME Codes, ABSA & CSA regulations, as well as laboratory experience on NDT equipment. The students will gain the educational background necessary in order to secure work experience that will allow them to be eligible to write their NDT examinations, as regulated by the Canadian General Standards Board (CGSB).

Courses include:

- Pressure Vessel and Equipment types;
- Codes and Regulatory requirements;
- Coursework completion of API 510 and API 570
- Theory and lab provided by SAIT in NDT focused on Magnetic Particle, Radiography, Visual, and Ultrasonic testing

Safety tickets:

- H2S Alive
- Confined Space
- Fall Protection
- WHMIS
- Standard First Aid
- Detection and Control of Flammable Substances

The successful students will be able to begin work in NDT field inspection immediately upon graduation.



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About Us

CCIS's Oil & Gas Training Programs (OGTP) supports new Canadians to access employment in various industries by providing them with comprehensive training including extensive safety training and certification, technical components and hands-on job experience. Major petroleum associations such as Canadian Association of Oilwell Drilling Contractors (CAODC) and the Canadian Association of Geophysical Contractors (CAGC) have endorsed the Drilling, Service Rig and Seismic training programs, respectively, under the umbrella of OGTP. The Alberta Boilers Safety Association (ABSA) and the Building Operators Association (BOA) have approved both the 4th and 5th class Power Engineering/ Building Operator Training Programs. The International Pressure Equipment Integrity Association (IPEIA) has affirmed their support for the new Pressure Equipment Inspection Technician (PEIT) Training Program. Our diverse team under the leadership of Bob Khan, Director of Operations, brings expertise and capability to the forefront to deliver highly successful and comprehensive training programs.

Our Initiatives

All programs under the OGTP portfolio are established through government funding and are in partnership with Energy Safety Canada, SAIT and other industry organizations and with the collaboration, support and involvement of industry. The development of strategic partnerships is the key to our success. Since 2001, the OGTP have processed thousands of applications and helped hundreds of new Canadians launch their careers in Alberta, becoming strong contributors to Canadian society. OGTP has the expertise and capacity to design and deliver customized training solutions to address industry workforce needs.

Program Design

The OGTP team has been sourcing, selecting and integrating outstanding new Canadian candidates for industry and providing them training in key industries since 2001. The OGTP training model engages key industry stakeholders in program design and implementation. These industry driven programs are uniquely tailored to address the needs of industry. Employers' business goals and objectives are consistently met with a high caliber of well-trained, hard-working and safety-oriented employees. The importance of safety is emphasized throughout the training, which is reflected in the OGTP's exceptional zero incident/accident safety track records.

With the Support of the International Pressure Equipment Integrity Association (IPEIA)

The guidance of various representatives within IPEIA has allowed OGTP the necessary support and resources, enabling the team to further enhance its programming. Board members and representatives were able to identify an initial need for entry-level Pressure Equipment Inspection Technicians, and communicate the requisite skills and expertise that qualified Inspectors possess. OGTP sincerely thanks the IPEIA Board and its members involved for their contributions toward this program's conceptualization and establishment.



Director's Letter



Bob Khan

OGTP Director of Operations
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Alberta's economy has continued to be under the watchful eyes of Albertans and Canadians alike; though part of the ebbs and flows of the oil and gas industry, this particular recession has undoubtedly inspired unsettling feelings of uncertainty. The past couple of years have tested the resiliency of our province, which has demonstrated that such challenges can foster creativity and produce innovative solutions. This dynamism has relied on industry leaders who, at the forefront of this transformative period, are redefining the road ahead.

In response to these economic changes, I have led the OGTP team in the creation of our latest addition, Pressure Equipment Inspection Technician (PEIT) training. My 25 yearlong career with TransCanada Pipelines' Gas Transmission Division has informed our program development, as PEIT was designed in order to satisfy the industry need for qualified entry-level Inspectors. These sought-after skills are not limited to the pipeline industry and can be applied to other pressure equipment and in the manufacturing sector.

Our newcomer population not only brings a wealth of diversity, but also the requisite knowledge base and skills for these in-demand careers. My vision has been to assist our new Canadians, who are tasked with both the challenges of integration and a difficult economy, with the skills and education to become entry-level Inspectors. OGTP's qualified, committed staff is integral in the program development and implementation. This endeavor began 18 months ago, with the creation of a proposal for funding to the provincial government. We are very pleased that in July of this year, the program was approved. OGTP staff engaged industry stakeholders to assist with the candidate assessment and selection process, which resulted in 15 individuals securing admission.

Critical to the development of the program has been the involvement of the International Pressure Equipment Integrity Association (IPEIA) board and its members who attest to the value of PEIT training and have actively supported this initiative. Of notable mention is Mr. Dan Violini who has brought over 40 years of experience with educational institutions and major oil and gas industry leaders. With his expertise, OGTP has been able to incorporate various elements such as API 510 and 570, both of which are paramount components for examination eligibility, and ultimately, certification.

I would like to thank the Government of Canada and Government of Alberta for encouraging the successful integration of newcomers to Canada and the economic development of the province of Alberta. To our industry leaders, we share our sincere gratitude to you, and we hope to continue to enrich our program execution with your sustained support.



Dan Violini

Technical Consultant
PEIT Training Program
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"The demand for increased Pressure Safety, Regulation and Accountability in the past 25 years has created a whole new technical industry around pressure equipment safety, design, testing, and reporting. During that time, the original Banff Pressure Inspector Conference was started which has grown into an independent organization, known today as the International Pressure Equipment Integrity Association (IPEIA). John Jantzen of IRISNDT Ltd. and a senior IPEIA member recognized that an entry-level training inspector program was what was missing. Added to the shortage has been the retirement of senior inspection personnel, making a course like PEIT all the more important and necessary. It has been our belief that industries that prepare for succession planning are safer, more profitable, and produce less risk to the general public in their operations. PEIT is designed to do just that."



Premier of Alberta

Office of the Premier, 307 Legislature Building, Edmonton, Alberta T5K 2B6 Canada



Message from Honourable Rachel Notley Premier of Alberta

On behalf of the Government of Alberta, it is my pleasure to welcome you to Calgary Catholic Immigration Society's (CCIS) New Training Program Launch: Pressure Equipment Inspection Technician (PEIT).

As our government works to lead Alberta out of the recession, we are focused on helping to create good jobs, working to make lives better, innovating, diversifying, and greening our economy. We are building an economy for Alberta's future, and knowing Alberta-trained skilled tradespeople and technicians are amongst the very best in the world gives me great optimism for that future.

Your involvement with these training programs will help you develop the skills and knowledge you will need to achieve success. More importantly, your hard work will take you that extra step further in finding work that you enjoy, excel at, and work that helps you build a future here in Alberta.

Congratulations to the CCIS on adding to its impressive training programs, and to the first Pressure Equipment Inspection Technician students. I commend the CCIS PEIT training program staff for helping new Canadians succeed in Alberta while helping address the needs of industry and successfully integrating each of your students into essential sectors of our economy.

Rachel Notley

November 29, 2017



2017 Future Pressure Equipment Inspection Technicians Profiles

The group of 15 Pressure Equipment Inspection Technician students pioneering the PEIT program hail from 8 different countries of origin. This class is comprised of highly-skilled new Canadians with varied educational backgrounds, inclusive of oil and gas, mechanical, chemical, and electrical engineering. Together, they are in the process of completing 34 weeks of training in an effort to secure employment as newly certified technicians.



Adrian Piñera

- Bachelor's degree in Mechanical Engineering
- Experience in NDT pipe inspection
- Strengths in product design and NDT



Christian Uzah

- Master's degree in Oil and Gas Engineering
- Experience in project management focused on asset integrity optimization and maintenance engineering
- Strengths in math, physics and chemistry



Emmanuel Abe

- Diploma in Physics and Electronics
- Experience in telecommunications and electronics
- Strengths in leadership and design



Florin Teodorof

- Master's degree in Petroleum Engineering
- 12 years of experience in pipe design and engineering and natural gas network distribution
- Strengths in mathematics, physics and electricity



Itohan Gold

- Bachelor's degree in Mechanical Engineering
- Experience as an environmental engineering intern through SAIT
- Strong analytical ability and fast learner



Jerry Niog

- Bachelor's degree in Electronics Engineering
- Experience in shipping
- Innovative with strengths in computer applications



Jonathan Alolor

- Bachelor's degree in Electrical Engineering; SAIT certificate as a CAD Operator
- Experience in telecommunications engineering and design
- Strengths in system design, math and science



Jorge Santamaria

- Bachelor's degree in Petroleum Engineering; Master's degree in Organizational Management
- 5 years of experience in oil and gas
- Strengths in computer software and hardware and physics



Joshua Diaz

- Bachelor's degree in Industrial Mechanical Engineering
- Experience focused on thermodynamics, internal combustion engines and industrial materials
- Strengths in physics, thermodynamics and pressure vessel design



Jude Ebuehi

- Master's degree in Oil and Gas Engineering
- Experience as a Project Engineer and Site Supervisor
- 6 years of experience supervising thermo-power projects
- Strengths in math, physics and thermodynamics



Luis Castellano Brunetti

- Bachelor's degree in Chemical Engineering
- In-depth knowledge of chemical properties and analysis
- Strengths in chemistry



Neil Tahlil

- Bachelor's degree in Electronics and Communications Engineering
- Extensive experience in telecommunications
- Strengths in math, applications and computers



Nigel Jan Tare

- Diploma in Electrical Engineering
- Experience in electrical production and distribution
- Strength in meeting safety and sanitation standards



Nirmal Neupane

- Bachelor's degree and 3 year diploma in Civil Engineering
- 5 years of experience in construction
- Strengths in math and calculus



Warzer M Salih

- Master's degree in Petroleum Engineering
- 3 years of experience in petroleum engineering laboratories
- Strengths in math and physics

Meet our Instructors

The knowledge and leadership imparted by the OGTP instructors has been an invaluable strength in the implementation of the program. Each instructor has contributed their specialized experience to guide the students and provide them with practical information that will best shape their practices.



Ben Martin, Lead Instructor

Ben Martin is a 2nd Class Power Engineer with 35 years of experience from industries including power generation, chemical, manufacturing and the Federal Government. In combination with his Bachelor's degree in Physics, Ben has been an integral part of the OGTP team and has instructed both the 4th and 5th classes of Power Engineers. With his strong background, he has been at the forefront in the delivery of the curriculum and has skillfully shared his aptitude and hands-on experience with the class.

Harry Maekelburger, Instructor

Harry Maekelburger has brought over 40 years of his experience to CCIS and chose the Pressure Equipment Inspection Technician (PEIT) class to share his knowledge with. Harry is expertly assisting the students in order for them to successfully gain the education necessary to secure employment in Alberta's workforce. A retired Instructor from SAIT's Power Engineering Technology program, Harry has varied and extensive experience. His work in Cogen Plant Operation, as a Locomotive Fireman, a Boiler Inspector, Gas Marketer, Training Consultant, and a Pipeline Engineer has well-prepared him to be able to impart his expertise and leading the ASME codes component of the PEIT curriculum.



Nick Marx, Instructor

Nick Marx is currently managing his ABSA certified inspection company, and has been involved in inspection and NDT for the oil and gas industry since September 1975. Nick has attained NDT designation as a CGSB Level 2 for RT, UT, MT, and PT along with an API 570 designation. He has carried out inspection of all types of oil and gas equipment, in addition to developing, implementing, and managing integrity programs for various owners. He is currently certified in API 510, National Board, and Alberta IBPVI, and is a previous chairman of the Contract Chief Inspectors Association as well as the IPEIA Steering committee. Nick is involved in Keyera's competency website for inspectors, and offers free seminars and mentorship to up and coming inspectors, operators, and engineers.

Theo Abels, Instructor

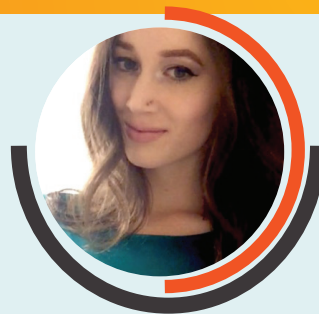
Theo Abels, P.Eng., has a degree in Mechanical Engineering and has 15 years of experience from his native South Africa in pipelines, corrosion, management of asset integrity industries in the nuclear, product development, product manufacturing, sales, and consulting sectors. Upon relocating to Canada, Theo was able to establish a career in pressure equipment and tank inspection, midstream oil and gas processing industry and into the consulting industry as a senior consultant. Theo has retained his inspection and API certifications, and is currently a volunteer on the IPEIA conference organizing committee and at the Banff Pipeline Workshop as a session leader.



We would like to hear from you!



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PEIT Industry Final Selection

September 2017

Thank you to the following companies for their participation in our first Final Selection Interview process to select the PEIT program candidates:



KEYERA

