
June 2022 SPED Update

1 message

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Society of Piping Engineers and Designers

June 2022 SPED Update



Membership News

Piper Boot Camp and Process Plant Layout

Mothapo Mathabatha Nthabi
Mandla Gerald Khumalo
Max Cepeda

Memberships - New & Renewal

Mothapo Mathabatha Nthabi
Ricardo Nys
Jesse Moser
Ajit Nanaso Bankar
Amgad Georgy
Javier Rubio Barragan
Joy Dominiquez
Senthilkumar Ramaswamy
James Daniel Wall
Stephen Husler
Remesalve Buemia Centano
Mandla Gerald Khumalo
Joy Dominiquez

PPD Certification Achieved

Amgad Georgy Level III
Moustafa Zeraoula Level II

Course Completions

Michel Bolduc PBC
Ricardo Nys HPC
Dexter Carson PBC

SPED Montreal Chapter



A Montreal Chapter Event was held downtown on June 7 to introduce local pipers to SPED

SPED New Level II QA Course – Limited Special Offer – Valid Until June 30, 2022

New Students with 4 years of acceptable experience can take both PBC Level I and Quality Assurance Level II video courses in sequence, for a combined bundle price of \$2400 as well as PPD Certification Levels I & 2

Past Graduates of SPED online courses with 4 years of acceptable experience can take the Level II course for \$1,000 until June 30, 2022.

For further information and enrollment please contact
catherine_van_der_walt@spedweb.com

Supply Does Not Create Demand

"Chemical engineering jobs are created by demand for chemical engineering. Making more graduates just makes the qualification less valuable."

<https://www.processindustryinformer.com/supply-does-not-create-demand/>

SPED Course Bundle Including PPD Certification - Limited Time Offer

Back by popular demand - SPED is offering a bundle price for either one of its three online courses, Piper Bootcamp, Process Plant Layout or Level II QA. For the price of one of the courses - \$1400.00 plus membership, both the course, PPD Certification and application is included. This is a US\$300 plus savings.

For further information and enrollment please contact
catherine_van_der_walt@spedweb.com

New Course Announcement - Piping Quality Assurance (PPD Level II Preparation)

SPED is pleased to announce its latest addition to the Piper Video Series, Piping Quality Assurance. The course reviews the latest principles and methods available to check process plant layout and piping designs in today's digital world. The Society of Piping Engineers and Designers (SPED) began an analysis of piping assurance checklists and practices as part of its four level Professional Piping Designer (PPD) Certification Program. Level II, Pipe Assurance, assesses the quality assurance of pipe, plus a working knowledge of selected specialty piping systems. Under the direction of the PPD Advisory Committee and the SPED Board of Directors, contributed checklists and practices were distilled into a set of slides and reviewed by experts. Strong attention was paid to assurance of 3D plant models and their extracted documents and data sets. The general principles and methods found are presented in this course.

For more information contact

Laser Scanner ATV

I want one of these.

<https://www.youtube.com/watch?v=hDNscn725G8>

Free to SPED Members - High Purity Piping Module

The SPED Board has released its new module on High Purity Piping. The module is free to SPED members. High-Purity piping is important in many industries, including:

- Food, Dairy, and Beverage
- Pharmaceutical
- Bioprocessing
- Semi-Conductor

This module is a quick overview of the standards and practices utilized in High-Purity piping and equipment.

The module is free to all SPED members. Registration can be done yourself, with the enrollment key given to you by this office.

For more information contact
catherine_van_der_walt@spedweb.com

A Brief History of Flanges

https://www.woodcousa.com/a_wst/flange_history.htm

SMEs Wanted for PPD Advisory Committee and New SPED Courses

The goal is to collect knowledge of specialty design practices and unique process equipment found in non-refining / power plant disciplines which utilize piping.

- cryogenics piping
- polymer piping
- solids (powders) piping
- food grade piping
- brewery piping
- steam piping
- pharmaceutical piping
- electronics fab piping
- pulp & paper

REMINDER TO SPED MEMBERS TO UPDATE THEIR PROFILES AND PROVIDE A NON-WORK CONTACT EMAIL ADDRESS

Many SPED members use their work email address when they join SPED, but this means that we will lose your contact details if you change jobs. Login at spedweb.com and keep your email address up-to-date.

3D Scanner Justifications

INTRODUCTION

Technologies have now converged to enable fast, accurate and affordable site 3D laser scanning.

PREMISE

The reality of upgrades to existing industrial facilities is that rarely is reliable as-built information available for the new project's engineering team.

This reality typically causes problems since new equipment, components and piping cannot be installed without knowing what is already existing in the plant.

PROBLEMS

Project facilities are typically congested with multiple layers of overlapping upgrades of equipment, piping, electrical, HVAC, etc. from different time periods. Engineering firms have little coherent as-built documentation to work from.

Project site documentation photos can number in the thousands and are time-consuming to capture, organize and access.

It is labour-intensive to locate relevant and specific site photos out of thousands taken at site.

It is not possible to extract accurate and reliable dimensions or information concerning owner assets from site photos.

Site measurements are notoriously unreliable and often difficult or impractical to capture due to site conditions. Experienced and trained personnel are required to capture existing site information in a proper manner.

Predicting exactly how many and which dimensions will be required to measure on site can be extremely difficult. As a result, many returns to site are usually required, which disrupt site personnel schedule and increase travel time and expenses.

3D laser scanning addresses these problems, and the latest technology has passed the hurdle of being fast enough, accurate enough, user-friendly, and most of all, affordable enough.

BENEFITS

Multiple decades' worth of CAPEX projects from different consultants and OPEX "home-grown" local plant upgrades are able to be captured in as quickly as one day for use by the consultant.

Simplify communications between client and consultant regarding work to be performed.

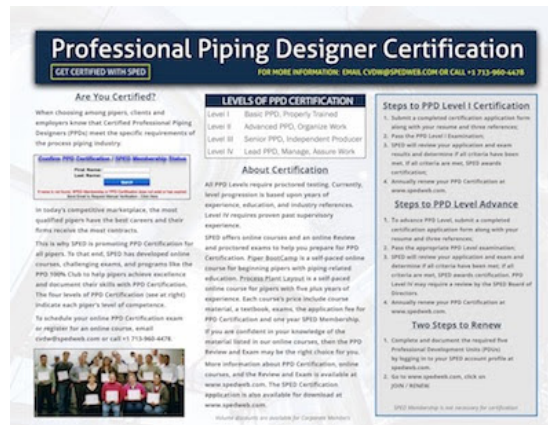
Minimize field dimension errors which can result in costly re-works.

Plant areas congested with existing piping, structural steel, cable trays and equipment are easily captured by the scanner.

Easy-to-understand documentation of existing plant facilities - no need to read engineering drawings for those unfamiliar with the skill.

Simplify and accelerate the provision of as-built documentation at end of project.

3D laser scanning also enable "virtual tours" of facilities for promotional, record-keeping, instructional or training purposes.



Professional Piping Designer Certification
GET CERTIFIED WITH SPED
FOR MORE INFORMATION: EMAIL CVDM@SPEDWEB.COM OR CALL +1 713-960-4478

Are You Certified?
When choosing among pipers, clients and employers know that Certified Professional Piping Designers (PPDs) meet the specific requirements of the process piping industry.

Levels PPD Certification | SPED Membership Status
Level 1: Basic PPD, Property Trained
Level 2: Advanced PPD, Organize Work
Level 3: Senior PPD, Independent Producer
Level 4: Lead PPD, Manage, Assume Work

Steps to PPD Level 1 Certification
1. Submit a completed certification application form along with your resume and three references;
2. Pass the PPD Level 1 Examination;
3. SPED will review your application and issue results and document if all criteria have been met. If all criteria are met, SPED awards certification;
4. Annually renew your PPD Certification at www.spedweb.com.

Steps to PPD Level Advance
1. To advance PPD Level, submit a completed certification application form along with your resume and three references;
2. Pass the appropriate PPD Level examination;
3. SPED will review your application and issue and document if all criteria have been met. If all criteria are met, SPED awards certification. PPD Level 10 may require a review by the SPED Board of Directors;
4. Annually renew your PPD Certification at www.spedweb.com.

Two Steps to Renew
1. Complete and document the required PPD Professional Development Units (PDUs);
2. Log on to your SPED account profile at www.spedweb.com.
3. Go to www.spedweb.com, click on PDUs / Renewal.

SPED Membership is not necessary for certification.

Piping Designer Field Gear Carry Vest - Now Available



Email vest@pipingdesign.com

Flexicraft is your one call for every style of expansion joint and flexible connector.



(Click link for video)

Don't forget that SPED is always on the lookout for member-written piping-related articles to publish at the website

See you all next time!

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