

SPECIAL END-OF-YEAR ISSUE: LOOKING BACK AT 2018 SUCCESSES

As we start a new year, it's worth noting our collective successes over the past 12 months. View the notes from members of our Strategic Leadership Team to read more about the goals we met, unexpected successes, and innovative solutions that Provenance has experienced this year. ♦

[READ 2018 LEADERSHIP REVIEW \(P.2\)](#)

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NOTES ON JANUARY EVENTS & ACTIVITIES

It's hard to believe we're already looking toward events in January 2019. There are a few things on the calendar to note.

First, please note that our **offices will be closed Tuesday, January 1**. Be sure to set your "Out of Office" accordingly.

On Jan. 23rd, **Account Director Dylan Misslin will be presenting an AIChE Sponsored Webinar on Compliance Audits**. As this applies to all our clients, please try to plan on attending. The webinar is free to register. Watch your weekly News Pulse email for the link.

The last week of the month, part of our MI team will be exhibiting at the **API Inspection Summit** in Galveston. If any clients express that they will be attending, please inform the Sales department so we can be sure to connect with them. ♦ (Heather Feinster)

UPCOMING EVENTS

JAN 2019

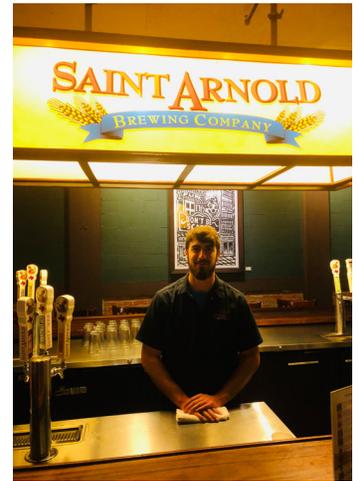
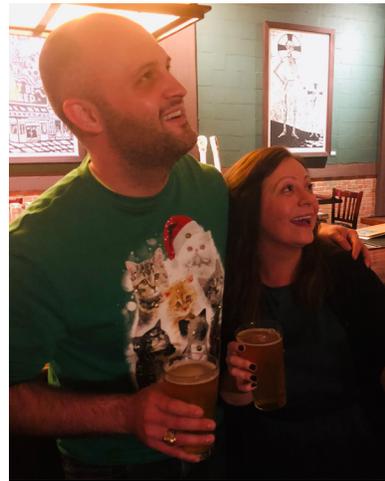
S	M	T	W	R	F	S
30	31	Happy New Year (Offices Closed)	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	Dylan Misslin Compliance Audit Webinar (AIChE)	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

1 - Happy New Year (Offices Closed)

23 - Compliance Audit Webinar by D. Misslin

28-31 - API Inspection Summit (Galveston, TX)

2018 COMPANY CHRISTMAS PARTIES



PSM ENGINEER OWAIZ EBRAHIM

Safety Management Practices and Design
Considerations for Hydrogen Applications

Tues. 30 Oct. - 14:25 - 14:55 - Willow Center

XXIX Interamerican Congress of Chemical Engineering
Incorporating the 68th Canadian Chemical Engineering Conference

Sheraton Centre Toronto Hotel • October 28-31, 2018 • Toronto, ON

OWAIZ EBRAHIM PRESENTS ON HYDROGEN SAFETY IN TORONTO

In October, **Owaiz Ebrahim** represented Provenance at the 68th Canadian Chemical Engineering Conference in Toronto, Ontario. His presentation on **Hydrogen Safety** was well attended and generated a robust Q&A session, mainly focused on relief systems and hydrogen.

In addition to his presentation, he gave us “eyes on the ground” to scope out the process safety landscape in the great white north. His efforts resulted in **two promising sales leads, and some poignant observations.**

According to Owaiz, “**The PSM landscape in Canada is very much raw and therefore, in my opinion, has tremendous potential for us as PSM consultants:** (1) There is no federal PSM regulation/code unlike the U.S. and regulation is controlled provincially (or state-wise). (2) As far as standards or industry best practices go, most companies are using one of the following: A guidance document put together by the Canadian Society of Chemical Engineers (CSCChE) – this document is currently being prepped for its 2nd edition release; CCPS’ Risk Based Process Safety; or some morphed form of CCPS’ Risk Based Process Safety.”

He also noted that the major player in the Canadian PSM consulting market appears to be Baker Risk. There are a few other players such as SNC Lavalin (or Atkins in Canada) and GCM Consultants.

While Provenance doesn’t currently have a strategy for Canadian outreach, we are watching it with interest. Reach out to Owaiz with any questions, and give him a pat on the back for a job well done.

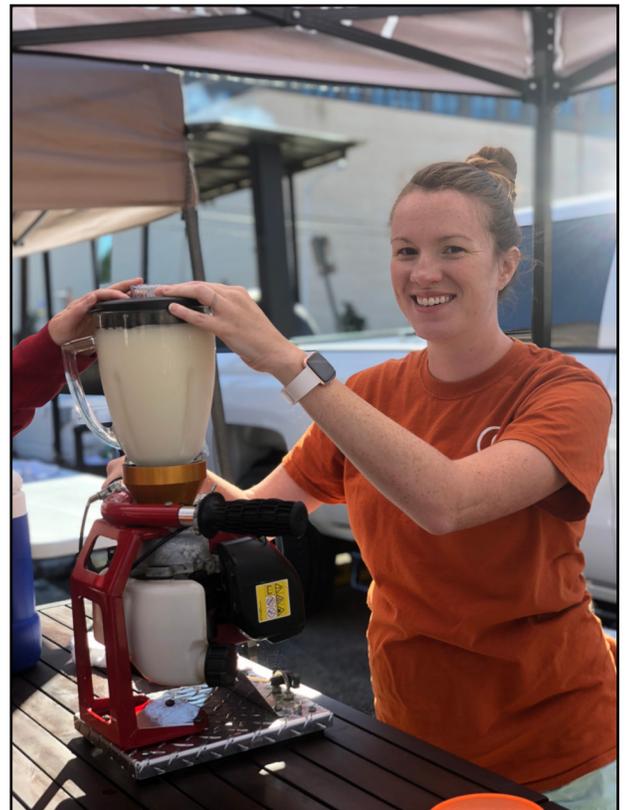
◆ (Heather Feimster)

TEXAS LONGHORNS AICHE STUDENT CHAPTER TAILGATE



Provenance held its' annual tailgate with University of Texas' student chapter of AIChE for the UT vs West Virginia game on Nov. 3rd. The perfect weather and challenging game (with a heartbreak ending we still can't talk about) encouraged the largest crowd this year. More than 100 students and alumni attended, along with Provenance employees including, **Lauren Mercer, Dane Mercer, Quyen Nguyen, Patrick Nonhof, Kinzie Robins, Heather Feimster, and Jamie Breedlove.** As usual the food was AMAZING. Our team enjoyed socializing with students over food, drinks, and washers.

◆ (*Jamie Breedlove*)



Identifying Hazards: What Does “Safe” Look Like?



by Sarah McDuffee,
Training Coordinator

A baby is constantly exploring new things and looking for familiar shapes, colors, and other patterns to help him or her understand the world around them. Sometimes the categorization is “not a circle” until they create a new category of “it’s a square!”

One of the ways that we learn new things is to try to categorize a new idea or image with others that we already know.

Patterns and trends also help us identify hazards in the workplace. And **sometimes the way to recognize a hazard is to categorize it as “not safe.”**

I’ve been told that one way to recognize counterfeit money is to be intimately familiar with real money. Then any anomaly stands out and is identified as “not real.” What if we approached process safety the same way?

What if I learn the procedures for my safe work practices well enough that when something is different, it stands out as “not a circle?” And once I recognize the deviation, I also need to know the reasoning behind the procedure well enough to understand possible consequences!

An example might be the steps of Management of Change. Most procedures require a relief systems expert to review the change. But the change is a simple trim on a control valve and doesn’t seem connected to the relief valve downstream at all. It might be tempting to skip the step, but it is possible that in an emergency, the change we made could send more material to the relief valve than it can handle. If there’s an item in a procedure that doesn’t make sense, find someone to ask the question “why” to. That will increase your ownership of the procedure and ensure you don’t miss critical steps because you didn’t realize they were critical.

Looking for deviations is a common way for operating a process unit. Consider safe operating limits. Alarms go off when the process variable (temperature, pressure, flow) exceed or fall below a certain safe range.

When you study the procedures and standards, it allows for an internal alarm to sound in your brain because something isn’t fitting the pattern.



“Wait a minute, this P&ID doesn’t match what is in the field...” or “shouldn’t there be a plug on this bleeder?”

At one company I worked for, we often asked the question “What does good look like?”

I challenge each of us as we go about our work to ask the question, “What does safe look like?”

Let safe designs, procedures, and standards become the patterns you are most familiar with so you can quickly see the outliers and address the hazards. ●

WORKIVERSARIES

Crystal Lewis	Nov. 24th	3 yrs
Jacob Reyes	Nov. 27th	1 yr
Dane Mercer	Dec. 1st	11 yrs
Heather Wood	Dec. 1st	5 yrs
Jami Mayfield	Dec. 8th	4 yrs
Sanil Sukumaran	Dec. 11th	3 yrs
Justin Phillips	Dec. 12th	7 yrs
Garry Preston	Dec. 12th	2 yrs
April Lopez	Dec. 13th	11 yrs