

BICERA BEACON

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WHAT'S NEW AT BICERA VALVE?

There's always something new at Bicera Valve. Here's the latest scoop!

2022 was a great year here at BICERA Valve. We saw new challenges and faced them head on, and more often than not, we came out better for having faced them. We added new employees, machines, and products all while working with, and around, material supply issues. For the most part, our lead times are much like they were at pre-pandemic times, but the reality is, supply chain issues are not going away any time soon. We remain committed to working with all of our suppliers to maintain a healthy stream of product so we can continue to offer our customers industry-leading products with reasonable lead times. We thank you all for your continued support!

SMM 2022

Last month, we made our way to Hamburg, Germany to take part in the SMM Trade Fair. We always look forward to this opportunity because it is such a great place to hear the latest updates and see what is new in the maritime industry.

This year the focus was on green energy and hydrogen. This was welcome news for us here at BICERA Valve, as we have been working diligently to produce an explosion relief valve for engines powered

by hydrogen. We are excited to announce that in 2023 we will be introducing our new valve. You can read more on our website: www.bicera.com. We would also suggest signing up for our email blasts and following us on LinkedIn to stay up to date with the latest on this and all of the happenings at Bicera Valve.



New CNC Lathe

In our last issue we mentioned that we received a new CNC lathe and were in the process of placing it on our shop floor. The lathe is now operational, and we have been running parts on it for several weeks. This lathe is very similar to our other lathes, but this one also has milling capabilities, so a part that would normally need to be sent to a second machine can have both processes done on one machine, with one set up.

▶ **Product
Spotlight**

BICERA Hydrogen Explosion Relief Valves

Coming in 2023. Stay up to date by signing up for our newsletters and email blasts at Bicera.com.

► Employee Recognition Corner



Seth Robbins Receiving

How long have you worked at Penn-Troy?

2 ½ months

What is your position and common daily duties?

Receiver. I receive materials in and transport inventory around the building.

What do you like most about your job?

The hours and the environment.

What are your hobbies?

Hunting, fishing, and watching sports.

Do you have a vacation ritual or location?

Not at this time.

What is your favorite movie?

A Christmas Story

Any bucket list item(s) you care to share?

Coach college football

Do you have any hidden talents?

No

Family?

I am getting married on December 31st. No family yet.

How do you unwind outside of work?

Coaching sports.

▶ A Message from the President

Welcome back to the *Bicera Beacon Journal*.

We were just in Hamburg Germany for the SMM show, where we were introducing our upcoming Sigma-Hydrogen Explosion Relief Valve. Over the past year, we've been anticipating the arrival of hydrogen fuel in combustion engines and have been doing hydrogen explosion testing in our R&D facility. In case you are curious, here are a couple nuggets from what we've learned.

1. A hydrogen explosion is fast.
2. A hydrogen explosion is loud.
3. And, most importantly, your current explosion relief valve is likely not equipped for a hydrogen explosion.

That's where we can help. By making a small modification to our patented Sigma explosion relief valve, we are able to stop a hydrogen explosion from propagating outside of a crankcase.

Needless to say, we are very excited about this development and look forward to working with our customers as the energy transition occurs. If you have a hydrogen engine in development, we recommend getting in touch with us now so we can understand your specific needs as we bring this product to market in the coming year.

Thanks again for reading, and as always, thank you for your business.

Sincerely,

Mark Powers

Mark Powers

President and Chief Executive Officer

Cell: 607-742-2746 | Toll Free: 800-232-4442



Drop us a line...

Questions? Comments? If you would like to give Penn-Troy/BICERA Valve any feedback, please send an email to sales@penntroy.com. Your feedback helps us know when we are on the right track, and where we need to refocus.