

**Dear Readers,**

One of the things that has impressed me the most as Editor in Chief of Transformer Technology magazine is the quality and variety of the people in this industry; people who I have approached to contribute to the magazine, or people who have recommended authors or articles. Our industry seems to have a significant share of professionals who have two things in common.

First, they are “lifelong learners.” They never seem to settle for what they’ve already learned. They seek out knowledge. They have a passion for it. Whatever it is that sparks that curiosity, we are all better for it. For the September issue, I had the privilege of hearing from Craig Stiegemeier from ABB. Craig is a professional’s professional. He is the epitome of a lifelong learner. I believe that you will agree when you get a chance to read his interview in September or listen to our Legends Podcast online when his interview is broadcast.

Second, these professionals are willing to share their knowledge to make the next generation better prepared and better equipped than they would be otherwise. I imagine it might drive our companies a bit crazy with all that sharing, since we live in a world of “proprietaryization,” where creating a unique advantage is prized over a shared advantage. Thank goodness for organizations like IEEE, NETA, IEC, CIGRE and others who level the playing field. Wayne Bishop of Omicron, the new vice president of meetings and events for IEEE, makes a great case for this in his interview in this issue and during his interview on the Legends Podcast.

It has humbled me to have the opportunity to connect with so many “legends” and future legends. That is what we at Transformer Technology hope to deliver to our readers over the coming years: access to professionals, both young and old; technical articles and articles that are accessible to a broader audience; and a forum for these lifelong learners to share their knowledge.

**On to the Revolution**

This issue was harder to produce than I thought it would be. The more I have learned about dry-type transformers, the more it seems like a story of two teenage brothers. One who is bigger, older and stronger, and one who is smaller, younger, less athletic. The older brother picks on his little brother, but nobody else can... they are family after all. The older brother gets all the attention. The little brother...? Not so much.

That is the analogy I imagined as I researched who should be writing for this issue. The bigger, liquid-filled transformer brother condescendingly asking: Why would you want to know about my little brother? He isn’t really all that unique, or press-worthy, is he?

Since this issue is the Dry-Type Revolution, we are going to focus on the little brother. I think you might find he has more muscle and more to offer than big brother thinks.

**So, What’s the Difference?**

It is my hope that our magazine reaches not only a technical audience, but also one that wants to be informed about transformers and to learn what has been and what will be. When I thought of the theme, the Dry-Type Revolution, I was hoping to change the way people in the industry think about how dry-type transformers are designed, their application, and where technology is taking them.

Since the differences between a liquid-filled transformer and a dry-type are evident in the names, this issue will focus on the uniqueness of the dry-type and not on comparisons. I used to think that it was a simple issue of location—dry-types were used indoors, where it is dry, and liquid-filled were used outdoors, where it might be wet. Of course, that is not a distinction since liquid-filled are used indoors where there is a need for more power, and dry-types are used outdoors where there is an environmental or safety concern.

Are there advantages to using dry-type transformers beyond location? Of course. Casey Ballard discusses these in his article “Dry-Type Transformers: Everywhere But Unnoticed - A Broad Range of Design and Application”. Kevin Eaton focuses on the “Reshaping of the Dry-Type Transformer”, and Marie Hirzel looks at “Performing a Failure Modes and Effects Analysis on a Dry-Type Transformer”. As a reliability guy, I love her approach. Well done Marie.

Hassan Zaheer shares research on the “Dry-Type Transformers Market: A Growing Niche,” and Mark Pustejovsky presents “Electrical Testing of Dry-Type Transformers.” Heinz Raitel focuses on operational reliability and sustainability of cast-resin transformers, and there is something unique from one of our contributing editors, Corné Dames.

Finally, I believe you will enjoy our interview with Martin Robinson, CEO of IRISS, as he discusses Condition Based Monitoring (CBM) for electrical assets, including dry-type transformers. His interview will also appear on the Legends Podcast page on our website. Martin is a CBM guru and is someone I think you'll enjoy hearing from.

I am looking forward to our September issue dedicated to Transformer Testing, Maintenance and Monitoring: Best Practices. We have lined up some of the best in the industry to share their knowledge and advance the cause.



A new feature we plan on introducing is Future Legends, a forum for the next generation of engineers as we seek out college juniors or seniors who can contribute to the magazine.

If you know someone you think could write an article on something they have learned and are passionate about, please connect them with me at [alan.ross@transformer-technology.com](mailto:alan.ross@transformer-technology.com). I would love to feature our future legends in an article or an interview.

Thank you for being part of the revolution.



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