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Reliability-based Dissolved Gas Analysis (RDGA) Saves Transformers and Wins Award
Delta-X Research Wins VIATEC Innovative Excellence for Software/Service

(Victoria, BC – July 9, 2018) – On Friday, June 15, 2018, the Victoria Innovation, Advanced Technology and Entrepreneurship Council (VIATEC) presented 16 awards to honour local technology firms that contribute to Victoria’s booming technology sector. Among the 16 winners was Delta-X Research, which won for Innovative Excellence for Software or Service.

Delta-X Research offers market leading software for managing and interpreting test data for high-voltage equipment, such as the large power transformers found in electrical substations. In particular, the company provides expert analysis of insulating oil for dissolved gases and other substances that can indicate if the equipment is experiencing a fault or requires other maintenance.

By automatically processing both online monitor data and offline test data using advanced analytics, the company provides accurate and timely insights into the health of the utility’s critical assets, so customers can confidently optimize maintenance and allocate capital budgets to increase reliability, improve safety, and maximize return on investment.

Delta-X Research’s main product, TOA4 Online, is used by over half of the largest utilities in the USA and Canada. It was recently updated with an innovative new method of oil analysis called Reliability-based Dissolved Gas Analysis (RDGA), which identifies and assesses at-risk power transformers by correlating transformer failures with fault gas production. RDGA’s level of assessment far exceeds conventional methods of dissolved gas analysis for transformers. This new approach is what captured the VIATEC award – and support from major utility customers.

“Our customers tell us that they see the RDGA, combined with some of the other analytics we’ve developed, as representing the most impactful advancements in the area of DGA analysis that they have recently seen,” notes John Brett, President & CEO of Delta-X Research. “After investigation, our customers confirmed fewer false negatives and fewer false positives using the RDGA, and each one of those avoided errors has saved our customers from financial losses, power outages, and, most importantly, a potentially dangerous catastrophic failure occurring without warning.”

The win marks a milestone achievement for Delta-X Research – and one they are grateful to have received, given the strong competition that exists in Victoria’s vibrant technology community.

About VIATEC: The Victoria Innovation, Advanced Technology and Entrepreneurship Council (VIATEC) started in 1989. Its mission is to serve as the one-stop hub that connects people, knowledge and resources to grow and promote the Greater Victoria technology sector (Victoria's biggest industry). It



works with members to offer a variety of events, programs and services, and serves as the front door of the local tech sector and as its spokesperson.

About Delta-X Research: Founded in 1992, Delta-X Research creates diagnostic software for assessing and tracking the condition of high voltage apparatus, including transformers. Its innovative and advanced analytics help companies manage risk, reduce system losses, improve reliability and maximize return on investment of their high-value assets.

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