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MAGAZINE

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Dear readers,

A new edition of Transformers Magazine is here, featuring the topic of renewables. Renewable energy is an abundant and sustainable resource that offers an environmentally friendly alternative to fossil fuels, providing multiple benefits that contribute to a greener and more resilient energy future, so we wanted to shine a light on this area and ensure good content. Energy security and independence, decentralization, enhanced grid resilience, technological advancements and innovation, economic benefits, and job creation, are aspects discussed in the interview with **Dr Juergen Bernauer** and the **ENEL Green Power** case study.

While renewable energy projects offer numerous benefits, they also come with certain risks, and Camlin's article discusses the risks associated with such projects.

In **Dr Behrooz Pahlavanpour's** interview and **P. Ramachandran's** column we look at industry standards, which contribute to the growth and development of the industry by promoting uniformity, quality, innovation, regulatory compliance, and international trade.

Hitachi Energy describes EasyDry®, their line of bushings up to 550 kV, which use advanced materials to enhance performance, lightweight design, cost savings, safety, and environmental benefits.

Marius Grisaru's column presents key points and a call to action, writing about practical examples, with solutions for saving huge amounts of oil that provide environmental and social benefits and economic advantages.

Transformer maintenance is critical to ensuring a reliable and efficient power supply, especially today when it is very challenging to obtain new transformers within the industry standard lead times

Transformer maintenance is critical to ensuring a reliable and efficient power supply, especially today when it is very challenging to obtain new transformers within the industry standard lead times. Several key factors are important for maintenance and by focusing on these, grid operators can enhance the reliability, efficiency, and resiliency of the grid, ensuring a consistent and uninterrupted supply of electricity. This edition of the magazine contains a couple of timely and relevant articles on this subject. **Maschinenfabrik Reinhausen** develop innovative technologies for the monitoring, diagnostics, and maintenance of power transformers, and their article is about one of them. Then there is a column from **Vitaly Gurin**, **COMEM's** article on a new DGA monitor eDOC, as well as **TECSYSTEM's** article on advanced monitoring.

Dr Tony McGrail's article on the importance of statistics, **Bhabha Das's** article on sustainable digitalization, **Anatoliy Mudryk's** article on oil breakdown voltage and **Shaista Naz's** article on smart transformers are outstanding and remarkable pieces of writing that offer content of exceptional quality.

This issue also includes a fairly comprehensive review of events: a post-event report from the Transformers Magazine's **Industry Navigator** conference on **Sustainability and Digitalization**, held in Dubrovnik, Croatia, in June, as well as information on **MyTransfo**, to be held in Turin, Italy in October, and **EuroDoble**, to be held in Madrid, Spain in October this year.

I hope that you will find the content of this issue of the magazine interesting and, above all, useful.

Enjoy your reading.
Yours sincerely,

Mladen Banovic, Editor-in-Chief