

Dear readers,

Summertime is travel time. In this issue, we would like to take you on a short trip to Italy, from Milan to Rome in the *Frecciarossa1000*. Then it's on to Berlin, where we are partnering with Siemens Energy and Vattenfall Wärme Berlin AG on a pioneering heat transition project. The next stopover is Wernigerode. Our 19th Technical Conference will take place there from 13th to 14th September. Be curious about our conference program here. Finally, at the terminus in Dresden, you will learn more about our latest development - a high-speed motor.

These are our topics:

- High-tech drive systems for railway applications: Part 2 ...
- Green heat in the city VEM supplies motor for innovative heat conversion project
- Conference program of the 19th Technical Conference 2022 from 13th to 14th September in Wernigerode
- Press release: High-speed motor made in Dresden

After many postponements and cancellations of events in the past two and a half years, we will be exhibiting at **several trade fairs** in the coming months. You can find out which ones in detail in this issue of Impulse.

We would also like to draw your attention to some of our **partners in The Netherlands, Egypt and Norway**.

We hope that you enjoy the read.

Best regards, Your VEM team

High-tech drive systems for railway applications: Part 2 - ...



Development of a completely new, speedcontrolled drive system for railway applications

Milan Central Station: 4 o'clock (p.m.) and one of Europe's fastest trains, the Frecciarossa1000, is already waiting for its passengers on platform no. 1. I'm standing on the platform and I'm on my way to Rome. The passengers will arrive in Rome, Termini station, after only 3 hours and 10 minutes of travel. In the past, they took twice as long to travel the 477 km route. ...

Read more on our website

motor for innovative heat conversion project

The city of Berlin is the location of a pilot project that will contribute significantly to the city's energy transformation by using waste heat. To assist them in this endeavour, project initiators Siemens Energy and Vattenfall Wärme Berlin AG brought in motor manufacturer VEM. The company produced a 2-pole asynchronous motor for the Qwark3 (Quartiers-Wärme-Kraft-Kälte-Kopplung) project, which combines heating, cooling and electricity supply for the first time. ...



Read more on our website

19th Technical Conference of VEM



We are pleased to be able to continue with our series of events, the Technical Day in Wernigerode, again this year.

This year we are dedicating ourselves to the topic

"The future of electrical machines as an integral component of modern drive systems - innovations, trends, technologies, expectations".

You have not yet registered? Then it's best to read all the important information on our event page right now and register today!

Go to the event page

Press release: High-speed motor made in Dresden

VEM develops high-speed motor with an energy density 10 times higher than that of a 2-pole standard motor

Dresden, 09.08.2022 - There are applications in which pumps and compressors require drive speeds and power that cannot be achieved with classic electric motors. Currently, reduction gears or steam and gas turbines are used. At this point, VEM GmbH offers a compact and powerful alternative with the new high-speed motor series. ...

Read more on our website



Trade fair participations in Q3 & Q4 2022

We would be pleased to welcome you at the following trade fairs and to exchange ideas with you in person again.

Visit us!

Achema

Frankfurt am Main 22nd - 26th August

You will find us in hall 8.0, booth **D2**

To the event

InnoTrans

Rerlin

20th - 23rd September

You will find us in hall 18, booth 470

To the event

Rail Live

Malaga

29th November - 1st December

You will find us at booth 41.

To the event

SMM

Hamburg 6th - 9th September

You will find us in hall B6, booth 132.

To the event

SPS

Nuremberg

8th - 10th November

You will find us in hall 3.0, booth 171.

To the event

TOC Asia

Singapore

29th - 30th November

You will find us at booth F28.

To the event

International partners

Are you looking for a contact person outside Germany? You are welcome to contact one of our partners. From now on, we will introduce you to three of them from three selected countries worldwide in each issue of our Impulse:

The Netherlands

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Egypt

Huebner Egypt

Ph: +20 10 60 90 75 26 Email: ahmed.adel@huebneregypt.com

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