PRESS RELEASE

GRAPHENE ULTRACAPACITORS DELIVER 34% FUEL SAVINGS IN ONE OF THE LARGEST CONTAINER TERMINALS IN THE BALTIC SEA

Tallinn, Estonia, 28th February 2018. Skeleton Technologies, the European leader in the production of ultracapacitors, and Transiidikeskus, one of the leading container terminals in the Baltic Region with an annual capacity of 600 000 TEU, unveil a Rubber Tyre Gantry (RTG) crane equipped with a graphene ultracapacitors powered kinetic energy recovery system (KERS) reducing the fuel consumption and CO_2 emissions by 34%.

The Muuga Crane KERS solution recuperates energy while the crane is lowering the cargo and re-uses the same energy for lifting.

With the trend towards sustainable, environmentally friendly and low carbon emissions crane and port logistics equipment, energy efficiency and recuperation will be key in the years to come in all harbor-side installations worldwide. Skeleton is at the forefront of meeting the market demand for these solutions, allowing to cut costs and lower CO_2 emissions.

Skeleton Technologies CEO, Mr. Taavi Madiberk commented: “Skeleton´s ultracapacitors with a charge time of fewer than 3 seconds, an efficiency of over 95% and 20 years of life, make them ideal for KERS applications. I am very pleased to see that our team has managed to transfer their know-how on KERS from motorsport and heavy-duty vehicles sectors to port cranes and achieve outstanding fuel savings”

Energy saving solutions such as ultracapacitors will play a greater role in the future as with them, the peak load demands are satisfied in a smoother way.

“From a technological point of view, we belong to the absolute top in our field and energy efficiency has always been an important part of our business. For servicing vessels, we use the most advanced equipment and loading technologies. Implementing high-tech graphene ultracapacitor technology to provide energy savings fits well with our strategy". Says Mr. Joel Tammeka, CTO at TK Muuga.

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About Skeleton Technologies

Skeleton Technologies is the global leader in graphene-based ultracapacitors and energy-storage systems. We deliver high power, high energy, reliable and long-life storage solutions across the industry. Through the use of patented 'curved graphene', we have achieved global breakthroughs in ultracapacitor performance and successfully commercialized our ultracapacitors, in trucks, buses, and grid applications.

Since our foundation in 2009, we have raised 42 M EUR to support manufacturing scale-up in Germany and in Estonia and grown our headcount from 4 to 100 people.

Our ultracapacitors deliver twice the energy density and 4 times the power density offered by other manufacturers. Our current customer base ranges from leading Tier One automotive firms and industrial equipment OEMs to truck fleet operators and aerospace prime contractors.

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About Transiidikeskuse

TRANSIIDIKESKUSE AS is a successful company established in 1996 offering complete stevedoring services. The main activity of the stevedoring service of Transiidikeskuse AS is concentrated on the container and general goods terminals operating in the free zone of Muuga Harbour of the Port of Tallinn. Transiidikeskuse AS is one of the leading container terminals in the Baltic Region with an annual capacity of 600 000 TEU.

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