

## Press Information

### Five years of aentron Energy Solutions

*- success story from the new high-tech region in the west of Munich*

**Gilching / München, October 14, 2020** – aentron Energy Solutions is celebrating its fifth anniversary this year. The company, based in Gilching near Munich, is a provider of high-quality energy storage solutions for use in the industrial and maritime environment, in the field of electromobility as well as for home and commercial storage. In addition, the development of prototypes and custom-made solutions together is an essential part of the company's success. Since it was founded in 2015, the company can look back on impressive growth - and has big plans for the future.

### The vision: the perfect high-performance battery

aentron is the "brainchild" of Dr. John de Roche: Just five years have passed since he, as a freelance developer in the field of industrial energy storage, followed his vision of an innovative, safe battery technology and thus laid the foundation for the founding of aentron. In cooperation with his project partner Ersel Kazzaz, the first battery prototype ready for series production in the mobility sector was soon created. With Ersel Kazzaz's brother Ersin, a third expert was brought on board and aentron GmbH was born.

In a converted garage in Schwabmünchen and later in the first business building in Raisting am Ammersee, the founders worked on their vision of the "perfect" battery: "It should be safe, reliable, versatile and scalable, and also meet the highest requirements in terms of quality and performance", John De Roche remembers the beginnings. "There are no compromises for us on this topic - we just wanted to make it safe and develop a storage solution that offers all the important aspects in one package. This also includes an extremely robust housing that reliably withstands adverse conditions."

After the first project of an electric trike, the young company initially focused on private shipping, mobility and industrial applications in the region south of Munich. Based on lithium-ion technology, aentron developed batteries that guarantee a consistently high energy supply for electrical drives or vehicle electrical systems.

### Certification to the highest standards

The aentron storage solutions are designed to withstand extreme loads and weather conditions without restriction. They can be integrated 360° and are very versatile. The quality, robustness, reliability and performance of the energy storage systems are underpinned by several certifications: Among other things, the international classification society DNV-GL confirms this with the Type Approval Certificate (TAE00003BY) and thus for use in shipping, offshore installations, speedboats and light boats. ISO 9001 certifies the extraordinary quality. A BMS operating management system developed in-house monitors the essential, safety-relevant parameters of the modules; CANopen enables integration into an overall system and communication with external components. In addition, the BMS was developed according to the IEC 61508 standard, which enables in the customer's own environment functional safety.

### **From the Ammersee to the world**

Investors quickly engaged themselves for the future-oriented energy storage systems, which enable efficient electrification of numerous areas of application beyond shipping. In April 2019, aentron moved into today's office building with its own production area in the west of Munich. The location in the middle of the Bavarian five-lake region proved to be particularly beneficial: demand rose continuously in all segments - maritime and industry as well as electric mobility. After aentron was one of the few providers of lithium-ion batteries to receive the DNV-GL certification required for commercial shipping, the first successful projects followed in the increasingly important commercial shipping industry.

Up to now aentron can build on strong connection with national and international partners from the fields of technology, drive and system integration, but also manufacturers from all over Bavaria and the Munich area: Thanks to years of cooperation with shipyards on Lake Starnberg, Ammersee and Chiemsee, who integrate the powerful batteries, the company is well established in the west of Munich. In addition to the high quality of the batteries, rapid availability and short coordination channels were and are important criteria. In addition, the company scores with its overall systemic approach with a holistic view of customer requirements.

aentron quickly reached customers all over Germany, Austria and Switzerland: Today the company is at home in the entire DACH region and beyond, and its involvement throughout Europe is continuously being expanded. "We are very happy about this development and are proud to contribute to the economic importance of the high-tech region of Munich", says Jan Brandt, Managing Director and CEO of aentron .

### **Successful future – clear forward looking on course**

Aentron is currently strengthening its presence in the traditionally important maritime segments, in industry and mobility. In addition, the increasingly important area of home and commercial energy storage solutions due to charging technology is coming into focus. When it comes to electromobility, aentron plans to expand its expertise in the field of self-driving vehicles, commercial and special vehicles and robots, open up new markets with innovative solutions. "Especially in the field of electromobility and charging infrastructure for vehicles cars and maritime, new, creative ideas are in demand, in which energy storage systems play a decisive role," explains Ralf Betkerowitz, Managing Director for Technology, R&D and Production at aentron .

### **About aentron**

The aentron GmbH, based in Gilching near Munich, is a provider of high-quality lithium-ion batteries for industrial applications. The particularly robust energy storage solutions are developed and produced in Germany and are characterized by high resilience, scalability modularity and security. Due to flexibility and modularity in both LV and HV, the modules cover a wide range of applications. E-Industry as driverless transport systems, autonomous logistics systems, robotics i.e., E-Maritime -from electric boats to commercial shipping and passenger ships, E-Mobility as LEV and commercial vehicles and E-Building with home and commercial storage solutions , Emergency power supply, on and off grid. The modules are designed to be integrated into a wide variety of system solutions and reliably withstand the requirements of the most demanding areas of application. More information at [www.aentron.com](http://www.aentron.com)

**Pressekontakt**



Aentron Energy Solutions  
Annette Russ  
Dornierstr. 21  
D-82205 Gilching  
Tel: +49 89 20 70 42 370  
Email: [Annette.russ@aentron.com](mailto:Annette.russ@aentron.com)  
Web: [www.aentron.com](http://www.aentron.com)

**SCHWARTZPUBLICRELATIONS**

Schwartz Public Relations  
Carmen Ritter/ Sven Kersten-Reichherzer  
Sendlinger Straße 42A  
D-80331 München  
Tel: +49 89 211 871 -56 /-36  
Email: [aentron@schwartzpr.de](mailto:aentron@schwartzpr.de)  
Web: [www.schwartzpr.de](http://www.schwartzpr.de)