



# Newsletter

June 2018

## Comments from the CEO, Anders Spetz

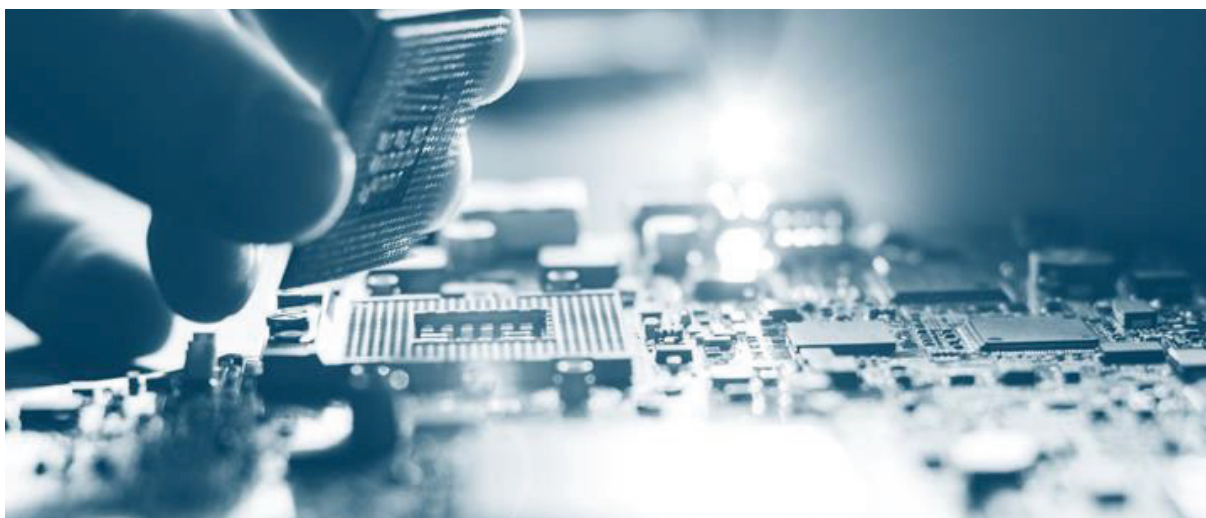
Nexam Chemical is in a phase of expansion and in order to meet our customers demand we also need to grow and add additional competence to our organization. We are proud and happy to welcome our new managing director for our Hungarian business, Laszlo Megyeri. Laszlo brings a solid experience and a large local and international network. We are convinced that he, from day one, will add a lot of value to our business and drive our growth in Hungary. Laszlo most recently comes from a role as managing director in a subsidiary within the A.Schulman Group.

We also welcome Johnny Weidmar, new team leader for our development laboratory for colors and additives in Lomma. Johnny also brings with him a long experience in the business, including one of our strategic partners. Recruitments of highly qualified resources to our development team on the chemical side as well as qualified salespersons are also ongoing.

As recently announced, we have decided to open two new focus areas. One of these, the focus area electronics, is presented further down in this newsletter. Our new focus areas are established based on the requests of proactive collaboration from our customers. Both concerning meeting the demand on existing sales as well as developing new solutions within respective focus area. I can see that the timing of introducing new focus areas is right.



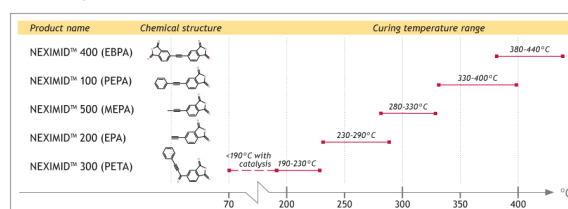
## Nexam Chemical adding new focus area – electronics



Nexam Chemical recently added a new focus area, breaking out electronics as a segment from high performance. It is impossible to be unaware of that we today all use an increasing number of electronic products everywhere in our daily lives. The need for new smart technology to produce smaller, faster and more energy efficient products that comply with the new demands are a crucial driver within the electronic industry. We want our mobile phones and other “gadgets” to be used for a long time without charging them and when necessary, charge quickly. We also expect them to be handy and able to process more demanding applications. All this demand products that, in a short time, can charge energy into smaller and more efficient batteries. A negative side effect is that the temperatures rapidly increase in the batteries, which in turn increase the demand for heat protective and heat resistant materials.

Nexam Chemical has developed crosslinking and end-capping technology for protecting polymer layers or organic insulators for the microelectronic industry. Our NEXIMID®-products can modify materials through

crosslinking and thereby enable the use of more easy flowing polymers. Organic insulators as polyimides (PI) and polybenzoxazoles are one class of high temperature materials that have been extensively used in the electronics industry for passivation and protection. These products have extremely good thermal stability and have, along with desirable mechanical and electrical properties, created possibilities for new applications such as; passivation layers, stress buffer layers, dry etch masks, structural layers, and re-distribution layers for chip scale packaging and wafer level packaging. Nexam Chemical offers a range of end-cappers and crosslinkers that are active starting from 100 °C up to 440 °C. With the NEXIMID®-technology, the freedom to design increases and a new tool is added for the microelectronic industry to use.



## Nexam Chemical continues to develop high performance resin for new generation of aircraft

**Clean Sky Joint Undertaking (CSJU) is a public-private partnership between the European Commission and the European aeronautics industry that coordinates and funds research activities to deliver significantly quieter and more environmentally friendly aircraft.**



Nexam Chemical has in partnership with Swerea Sicomp, Technical University in Munich and Alpex Technology, been assigned funds for a significant development project called "Process Simulation and Tool Compensation Methodology for High Temperature Composite Processes". The target is to develop processes and materials that enables for high temperature polymer composites in aircraft engines. The project has recently started and will continue for about two years.

"The cooperation is a fantastic opportunity for Nexam Chemical to take part in the development of new materials for the aircraft industry. The aim of the project is to take complete approach, which means we intend to develop and test materials, processes and properties together" says Anders Spetz, CEO for Nexam Chemical.

It is recognized by the European Union and European industry that there is a need to address a number of very challenging problems in order to meet an ever-increasing future demand for sustainable air transportation. In the European Commission Flightpath 2050, a number of ambitious goals are set, including a reduction of 75% of CO<sub>2</sub>, 90% in NO<sub>x</sub> and 65% in noise by 2050 relative

to 2000. The aero engine sector is making large investments in order to develop technologies that enable these reductions. An important component to reach these targets is to increase overall pressures and bypass ratios of aero engines. This will require that traditional material like aluminum are replaced by carbon fiber reinforced composite materials which will reduce the weight of the aero engine.

Traditional epoxy based composites has for several years been used successfully for structural parts of both the aero planes and the aero engines. Albeit exceptional performance, epoxy based composites have some limitations. These materials can only be used for applications with a maximum service temperature below 200°C. There are however strong incentives to reduce the weight of components in the hotter zones of the aero engines. One approach to do this is to replace aluminum, titan or epoxy with composite components with high temperature polymers. Nexam Chemical can contribute to this, being a high technology manufacturer of polymer materials for high temperature applications.

## Annual General Meeting 2018

On Thursday, 17 May, Nexam Chemical held its Annual General Meeting. The meeting, held at Elite Hotel Ideon in Lund, had about 40 participants. Approximately 8 million shares were represented, i.e. 12 percent of all outstanding shares. Before the AGM started, the participants were treated with coffee and various pastries. During the meeting, CEO Anders Spetz, held a presentation about the company and the year that has passed. After the presentation the shareholders asked many interesting and initiated questions to the CEO and the Board.

The AGM approved the Annual Report for 2017 and to re-elect all board members until next AGM and in addition elect one new board member, Jonna Opitz. Jonna Opitz has a background in market and communication as well as long experience of investor relations in listed



companies. By electing Jonna Opitz, with her background and experience, the Board is further strengthened and new valuable competencies are added.

Many thanks to all who came and participated in the meeting. We are very happy to see that many of the shareholders participating at the AGM returns from year to year. We hope to see you also next year, but of course we look forward to meeting even more of the shareholders at the AGM 2019.

## Nexam Chemical presented at Småbolagsdagen 2018

Last week Aktiespararna held its Småbolagsdagen 2018 at Hotel Sheraton in Stockholm. About 60 companies presented their businesses for more than 400 visitors. Nexam Chemical was represented by CEO Anders Spetz, who held his presentation in a well-attended session. It is important for Nexam Chemical to meet its shareholders and potential investors at these events. With the possibility of streaming the presentation, both live and on-demand, we also reach out to a large audience, who for different reasons, are not able to attend these events. Find Nexam Chemicals presentation with CEO Anders Spetz at [www.nexamchemical.com](http://www.nexamchemical.com).



**A business update and summer greetings from CEO Anders Spetz will be published beginning of July. Next newsletter will be published in September.**