PRESS INFORMATION

ABOUT ELISE

ELISE was founded in August 2018. Today’s company managers started out in Bremerhaven as scientists at the Alfred Wegener Institute for Polar and Marine Research. Later, they founded their own company. Today, the headquarter is located in the city of Bremen.

In their scientific research Dr. Moritz Maier, Sebastian Möller and Daniel Siegel had intensively studied the natural development processes of lightweight structures of marine plankton organisms. The knowledge they gained in their research has become the basis of the innovative Generative Engineering software for technical product development.

The conventional approach to developing a product is based on a serial process that starts with the requirements, then develops a concept and evaluates it by means of simulation.

Generative engineering is a paradigm shift that is based on the development methodology of nature. Using intelligent algorithms, the technical DNA of a component is created, which can then automatically generate, evaluate and optimize designs. This results in constructions that meet all requirements from the very beginning.

ELISE accelerates the pace of innovation by providing an open software platform in which existing CAE software can be seamlessly integrated.

Industries using ELISE software include aerospace, automotive and consumer goods.

FOUNDING TEAM

ELISE was founded in August 2018 by Daniel Siegel, Sebastian Möller and Dr. Moritz Maier together with their research team. The team has a long-standing friendship and more than 10 years of joint research activities in the field of technical lightweight design and product development. Based on their experience in various industrial projects and the respective customer requirements they developed the software and the business model of ELISE.

Daniel Siegel has developed software architectures for over 20 years. He built and successfully led teams and won several awards in biomimetics, engineering and entrepreneurship during his biomimetic and business engineering studies at the University of Bremen.

Sebastian Möller studied biomimetics at the University of Bremen together with Daniel Siegel, but with a focus on fluidmechanics. After his studies he has led engineering teams in cooperation with automotive and aerospace and implemented VDI standards in product development processes as chairman.

Dr.-Ing. Moritz Maier studied aerospace engineering at the University of Stuttgart and researched bionic product development processes at the University of Bremen, receiving his doctorate in October 2015 in this topic. He has led international departments for over 10 years and has long-term experience as consultant for additive manufacturing. Moritz spent over 10 years in professional software development and had founded his first company at the age of 16.
INVESTORS

Cherry Ventures is an early-stage venture capital fund founded and led by former entrepreneurs and focusing on seed-stage companies in B2B and B2C. Having started as angel fund, Cherry today manages three funds investing amounts between €500k-4M in the seed stage.

Cherry’s founders have been involved in Zalando, Quandoo and Groupon and the fund has previously been among the first backers of Auto1, Flixbus, Flaschenpost, Dash Dash, Rekki, AMBOSS and many others. Cherry aims at supporting its portfolio companies in the best possible way through the entrepreneurial expertise in the team. Based in Berlin, Cherry invests all across Europe.

www.cherry.vc

UnternehmerTum Venture Capital Partners (UVC Partners) is a Munich- and Berlin-based early-stage venture capital firm that invests in technology-based startups in the areas of industrial technologies, enterprise software and mobility. The fund typically invests between € 0.5 – 3m initially and up to € 12m in total per company. Portfolio companies benefit from the extensive investment and exit experience of the management team as well as from the close cooperation with UnternehmerTUM, Europe’s leading innovation and business creation center. With over 180 employees and more than 100 industry partners, UnternehmerTUM can draw from many years of experience in establishing young companies. This cooperation enables UVC Partners to offer startups unique access to talent, industry customers, and other financial partners. The portfolio includes investments such as FlixBus, Carjump (Free2Move), KONUX, Blickfeld, 3YOURMIND and Vimcar.

www.uvcpartners.com

Venture Stars is a Munich based venture capital firm focused on early-stage investments in innovative, digital B2C and B2B business models. The team of serial internet entrepreneurs currently manages two funds typically investing €500k – 2m EUR initially and up to 4m in total per company. Having started as an incubator, Venture Stars has a tradition of working very closely with the founders of its portfolio companies. Venture Stars’ support goes beyond capital and includes know-how, network and operational manpower on topics such as strategy, organizational development, financing and exit.

www.venture-stars.com

BMW i Ventures, BMW’s EUR 500 million venture capital fund, invests money and resources in startups in the fields of autonomous driving, digital car and automotive cloud, e-mobility, artificial intelligence and data, industry 4.0, shared and on-demand mobility, customer digital life, and energy services. The firm has already partnered with innovative companies such as Bright Machines, Carbon3D, Chargepoint, Claroty, DesktopMetal, Fair, Graphcore, Moovit, Tekion, Trifacta, Xometry, Yellowbrick and Zum. BMW i Ventures invests in all stages from seed to growth companies.

www.bmwiventures.com

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