

## **e-Xstream engineering partners with Brightlands Materials Center to improve the understanding of failure behavior in composite and 3D printed plastic parts**

Newport Beach – (October 4<sup>th</sup>, 2017) - [e-Xstream engineering](#), an [MSC Software company](#), and the world leader in multi-scale modelling of composite materials and structures, announced a collaboration with Brightlands Materials Center, a leading R&D center in the field of polymeric materials.

With this collaboration, e-Xstream engineering will further develop its Digimat<sup>®</sup> platform to improve the predictive modeling of the performance of 3D printed and composite parts. Brightlands Materials Center will develop material models that describe material behavior during long term ageing under dynamic loading.

*“We are very honored about this partnership with Brightlands Material Center. We both share the same long term vision in the fields of Lightweight Automotive and Additive Manufacturing. Thanks to their strategic role and high visibility in the industry, which is requiring more innovative material solutions, Brightlands Material Center will provide e-Xstream engineering with extra bandwidth on the R&D-level and a deeper insight into the material modeling needs of our customers, especially for the Benelux market.” says Serge Van Den Heuvel, Business Development Manager at e-Xstream engineering.*

*‘We are excited to start this partnership with e-Xstream engineering. This collaboration provides us with valuable insights into the needs and challenges of application design in the industry, including Tiers, OEMs, and equipment suppliers. e-Xstream’s platform approach fits well with our shared research programs to accelerate product and application development.’, said Marnix van Gurp, Managing Director of Brightlands Materials Center.*

### **About e-Xstream engineering**

Founded in 2003, e-Xstream engineering, an MSC Software Company is a software and engineering services company 100% focused on the multi-scale modelling of composite materials and structures. The company helps customers, material suppliers, and material users across many industries. They aim to reduce the cost and time needed to engineer innovative materials and products using Digimat, the nonlinear multi-scale material and structure modelling platform. Since September 2012, e-Xstream engineering is a subsidiary of MSC Software Corporation.

### **About MSC Software**

MSC Software is one of the ten original software companies and a global leader in helping product manufacturers to advance their engineering methods with simulation software and services. As a trusted partner, [MSC Software](#) helps companies improve quality, save time, and reduce costs associated with design and test of manufactured products. Academic institutions, researchers, and students employ MSC's technology to expand individual knowledge as well as expand the horizon of simulation. MSC Software employs 1,300 professionals in 20 countries. For more information about MSC Software's products and services, please visit: [www.mscsoftware.com](http://www.mscsoftware.com)

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### **About Brightlands Materials Center**

Brightlands Materials Center (BMC) is an international R&D center in the field of polymeric materials with the aim to bring innovative and sustainable materials solutions meeting tomorrow's societal challenges. Its three major shared research programs are in the fields of Lightweight Automotive, Sustainable Buildings and Additive Manufacturing.

Brightlands Materials Center is a joint innovation center of TNO, the Dutch innovation organization for applied scientific research ([www.tno.nl](http://www.tno.nl)), and is located at the Brightlands Chemelot Campus in Geleen, The Netherlands. More information: [www.brightlandsmaterialscenter.com](http://www.brightlandsmaterialscenter.com)

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