Additive Industries
Industrialising 3D printing for functional parts

Press release

Additive World

Atos and Cassidy Silbernagel winners Design for Additive Manufacturing Challenge 2016

Additive World Awards presented at 4th Additive World Conference

On Wednesday March 23, Erik de Bruijn, Co-founder of Ultimaker and Chairman of the Jury announced the winners of the Additive World Design for Additive Manufacturing Challenge 2016. From a group of 47 contestants, both professionals and students, 3 finalists were selected per category. After the presentation of all finalists to the Jury, two winners were selected that succeeded best at achieving the assignment to make a new design or redesign an existing product for additive manufacturing. Team AtoS AM Engineering (Atos SE, Spain) with their 'Aerospace Integrated Bearing' won in the professionals category. The have successfully demonstrated the benefits of additive manufacturing in their design of a ball and socket joint to orientate solar panels of a satellite. The design combined multiple different parts into one new design which required only minimum assembly. Besides that a substantial weight reduction was achieved in combination with a performance improvement. The winner in the students category is Cassidy Silbernagel, from the University of Nottingham, UK. He designed an innovative electric motor casing to fit into an existing crank shaft case of a regular motorcycle enabling electrification. His design reduces eight parts to one light weight component showing one of the major advantages that can be achieved by additive manufacturing. Moreover he cleverly integrated room for heat transfer and well-rounded wiring tunnels. Special mention was for the parametric tool for customized 3D printed facade connections for glass panels in the construction industry of Juhun Lee and Paul Kassabian.

Besides the winners of the Design Challenge, Additive Industries presented two Additive World Awards. Martin Schäfer of Siemens AG, accepted the Industrial Achievement award for his inexhaustible efforts to bring the European Additive Manufacturing together as a chairman of the AM Platform and work on standardization of the technology and processes. Janne Kyttanen, digital sculptor creating multidisciplinary work at the intersection of 3D printing, virtual & augmented reality, received the Industrial Achievement award for being a pioneer in Design for Additive Manufacturing, inspiring many with his designs and first to commercialize high volume 3D printed products including creating the world's first 3D printed lights, footwear, consumer electronics, furniture and countless others.

<End of press release>

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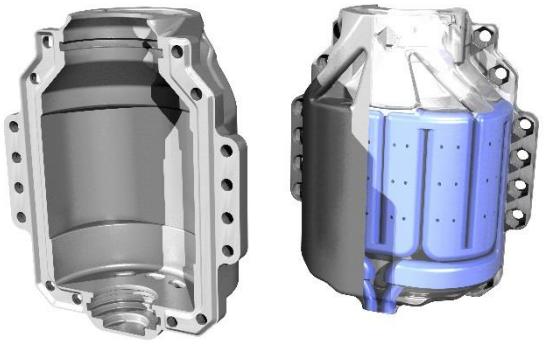
Please find enclosed some pictures/graphics. Please add: source: Additive Industries.
The photographs of the jury, winners and renderings can be found on the Press Room section of the new www.additiveindustries.com.

The pictures enclosed are:

1. Jury and winners are (from left to the right, from the second row to the first row):
   Second row: Mr. David SK Wong (Nanyang Polytechnic, jury member), Janne Kyttanen (Digital Sculptor, jury member), Erik de Bruijn (Ultimaker, chairman of the jury), Rein van der Mast (AddLab, jury member), Mirko Bromberger (Altair, jury member).
   First row: Elvira León and Javier Buhigas (Team AtoS AM Engineering, Winners Professional Category)

2. Team AtoS AM Engineering, Atos SE, Elvira León en Javier Buhigas, Winners in the Professional category with their design 'Aerospace Integrated Bearing'

3. Jury and winners are (from left to the right): Mr. David SK Wong (Nanyang Polytechnic, jury member), Janne Kyttanen (Digital Sculptor, jury member), Erik de Bruijn (Ultimaker, chairman of the jury), Cassidy Silbernagel (Universiteit van Nottingham, Winner Student Category), Rein van der Mast (AddLab, jury member), Mirko Bromberger (Altair, jury member).



4. University of Nottingham, Cassidy Silbernagel, Winner in the Students Category with his design 'Motor Casing'

More information

Contact
Daan A.J. Kersten, CEO
Mobile: +31 (0)653400630
E-mail: d.kersten@additiveindustries.com

Additive Industries b.v.
Leidingstraat 27, NL 5617 AJ Eindhoven, The Netherlands
P.O. Box 30160, NL 5600 GA Eindhoven, The Netherlands
www.additiveindustries.com

About Design for Additive Manufacturing Challenge
In order to grow the number of examples and inspire many other industries to develop dedicated applications for industrial 3D printing, Additive Industries has launched the second Additive World Design for Additive Manufacturing Challenge at the renowned Dutch Design Week in Eindhoven in October 2015. Competing in two categories, both professionals and students were encouraged to redesign an existing conventional part of a machine or product for 3D printing. The winners were announced at the Additive World Conference on March 23rd, 2015 in Eindhoven.

Partners in the Design for Additive Manufacturing Challenge are leading CAE technology provider (e.g. Topology Optimization) - Altair Engineering and consumer 3D printer manufacturer Ultimaker. The contestants will be supported by Additive Industries' AddLab team in topology optimisation during the design process and the winners in both categories take home the latest Ultimaker 2+ 3D printer and Autodesk's NetFabb software. All finalists receive a licence of Altair's Inspire software and Autodesk Fusion 360. Besides that the award winning designs will be printed in metal by AddLab.

About Additive Industries

Additive Industries has the ambition to bring industrial additive manufacturing/3D printing for selected high tech markets from lab to fab. We believe direct digital manufacturing of functional parts in various metals and ceramics will transform the industrial value chain. In an open innovation environment Additive Industries unites world class equipment manufacturers, material suppliers, designers, engineers, knowledge institutes, industrial suppliers and end-users to design, experiment, build and connect the next generation additive manufacturing systems and solutions.