



Press Release

Up-Cycling plant in Burgkirchen wins VCI national award

Dyneon wins Responsible-Care Competition 2017

The Dyneon Up-Cycling plant at the Burgkirchen site has been selected as winner of the "Responsible Care Competition 2017". The award was presented at the meeting of the members of the Chemical Industry Association (Verband der Chemischen Industrie, VCI) on 29th of September 2017 in Frankfurt.

After having already won the VCI Bavarian State Competition in July 2017, the materials specialist Dyneon has now won a national award with its project. Dyneon is thus one of this year's three national winners of the Responsible Care Competition. In keeping with the motto "We have good ideas for recycling management", projects were sought from companies that promote recycling opportunities, the intelligent and sustainable use of resources and the reduction of their consumption.

World's first fluoropolymer Up-Cycling plant

The award-winning plant was put into operation by Dyneon in 2015 as the world's first fluoropolymer up-cycling plant. Up to 500 tons of fluoropolymer waste can be up-cycled annually with this plant. This allows for the return of valuable raw materials into the manufacturing process of new fluoropolymers thereby completing the material cycle. The Dyneon Up-Cycling process

has a high yield and corresponding purity, with no loss of material quality.

Focus on sustainability

"Naturally we are delighted by this important industry award from the VCI. Our pilot plant in Burgkirchen shows the size of the savings that can be achieved with low consumption of resources", explains Burkhard Anders, Managing Director of Dyneon GmbH, a 100% subsidiary of 3M. The fluoropolymer Up-Cycling process is important with regard to genuine sustainability for these valuable materials, which have become indispensable in so many applications: for example corrosion prohibiting linings in the chemical industry and chemically inert automotive components.

Further information at www.dyneon.eu/up-cycling

Neuss, 5th of October 2017

About 3M

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About Dyneon GmbH

Dyneon GmbH, a 3M Company and part of the Advanced Materials Division, is a major supplier of fluoropolymers and is focusing on development, production and sales at its headquarters in Burgkirchen, Germany. The product portfolio of fluoroelastomers, fluorothermoplastics, Polytetrafluoroethylene (PTFE) and plastic additives, is available through the 3M sales organisation or representations in more than 50 countries. For more information please visit www.dyneon.eu

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Captions:

Image 1: Ina Vrancken and Burkhard Anders from 3M received the first price of the VCI Responsible Care competition for the project „**Up-Cycling of fully fluorinated polymers – Circular Integration to closing the loop**“ on 29th of September 2017 in Frankfurt. Copyright: VCI

Image 2: The Up-Cycling Process: gaseous monomers are recovered by means of pyrolysis, which are then cleaned prior to feeding them back into the manufacture of new materials.

Image 3: The Up-Cycling pilot plant integrates seamlessly onsite into Dyneon’s existing fluoropolymer production lines. The plant can up-cycle up to 500 tons annually.

Dyneon Press Contact: Judith Seifert, Tel.: 02131 14-2227
E-Mail: jseifert@mmm.com

Dyneon Customer Contact: 00 800-396 366 27
Dyneon.europe@mmm.com

3M Deutschland GmbH
Carl-Schurz-Str. 1
41453 Neuss
Germany
+49 2131 14-0

Internet: www.3M.com/AdMD
www.Dyneon.eu