



IMPORTANT AGREEMENT BETWEEN FATER AND KIVERDI: ITALIAN INNOVATION MEETS U.S. TECHNOLOGY FOR THE DEVELOPMENT OF A CIRCULAR ECONOMY

KIVERDI WILL SUPPORT FATER AND THE “EMBRACED” PROJECT IN THE PROCESS OF TRANSFORMING RECYCLED CELLULOSE FROM USED DIAPERS IN HIGH VALUE-ADDED ORGANIC-BASED PRODUCTS

Pescara, February 19th 2018 - Today, Fater AHP-R – the Fater SpA (a joint venture held equally by Procter & Gamble and the Angelini group) division dedicated to research, development, and sale of the used absorbent hygiene product process – has announced it has signed a partnership agreement with Kiverdi Inc. – a U.S. market leader in biotechnology – for the creation of a process that, by means of gasification, will convert cellulose from used AHPs into high value-added organic-based products.

The agreement was reached as a part of the EMBRACED project, funded by the European Community in the scope of the Horizon 2020 Bio Based Industry Joint **Undertaking** programme. EMBRACED is an international consortium of enterprises with the common goal to create the technology to convert secondary raw material from used absorbent hygiene product recycling to high value-added organic-based products such as bioplastics, fertilizers, and chemical substances.

More specifically, the Kiverdi technology will be used to create a process that – through gasification – will convert the cellulose collected (thanks to the one-of-a-kind technology developed by Fater for used AHP recycling at an industrial level) into organic-based products that may be used for plant nutrition, to create biodegradable packaging, and in medical applications.

Giovanni Teodorani Fabbri, General Manager at Fater AHP-R – the corporate division dedicated to environmental sustainability – has stated: *"We are excited about the partnership with Kiverdi, which will allow us to take additional steps forward in the development of our used absorbent hygiene product technology. We firmly believe in the principle of Circular Economy and – using the unique experience gained by FATER AHP-R in the processing and recycling of such waste type – we are first in line for the creation of a one-of-a-kind Biorefinery, able to process used AHPs and convert them into high value-added bioproducts. This will lead to clear environmental advantages – such as the prevented destination of such products to landfill or incineration – but even economic advantages – such as the increase in competitiveness of organic-based products compared to fossil fuel-based products used all across Europe – thus introducing new raw material in the bioeconomy value chain and creating new business opportunities for large companies and SMEs, promoting the shift of workers involved in the waste management sector to being fundamental actors of the biobased and circular economy"*.

Lisa Dyson, CEO of Kiverdi, has expressed her enthusiasm and support for the work carried out by Fater AHP-R e EMBRACED, as she observed: *"We are thrilled to join such an important team of innovative companies that have the power to change the game. Fater AHP-R has shown great leadership in bringing an evolution to Circular Economy with its multi-award winning diaper recycling technology, and we are happy to embrace the opportunity to consolidate our cooperation in order to reach the EMBRACED consortium goals. What we plan to create together is very important: we shall work as a team to close the raw material cycle and make supply chains more sustainable"*.

Fater AHP-R

Fater AHP-R is a business unit dedicated to research, development, and sale of the technology and industrial process for recycling of used absorbent hygiene products, such as baby diapers, incontinence diapers, and menstrual pads. It is part of the Italian company Fater SpA, a joint venture held equally by Procter & Gamble and the Angelini group, which manufactures and sells the products branded Ace/Neoblanc and Comet in 39 countries in Central, Western, and Eastern Europe as well as the Middle East and Africa, and – in Italy – products branded Pampers, LINES, LINES Specialist, and Tampax. Fater is a dynamic company that invests about 4% of its annual turnover in innovation. The drivers of its long-term growth are knowledge of the consumer and markets, shared skills, and the pursuit of efficiency. Its headquarters are in Pescara, and it runs production facilities in Italy – in Pescara and Campochiaro (Campobasso) – and abroad in Portugal, Morocco, and Turkey. For more information, visit: <http://www.fatergroup.com/it>

KIVERDI

Kiverdi Inc. is a private biotechnology company that develops intelligent uses of carbon dioxide, with its mission being the commercialization of supply chain solutions that may support a Circular Economy and help face climate change. In order to do this, Kiverdi is marketing its NASA-inspired technology that uses microorganisms to transform carbon dioxide and other mineral and gas nutrients into raw material to make everyday products, such as clothes, personal care items, and industrial goods. The Kiverdi technology platform offers an extremely flexible and innovative approach in the use of microorganisms to produce a myriad of organic-based products. By recycling carbon, Kiverdi is working to fill the gap between sustainability and profitability, leading to a prosperous future. For more information, visit: <http://www.kiverdi.com>

EMBRACED:

The EMBRACED project aims to present, at an industrial level, a repeatable, economically valid, and environmentally sustainable model of integrated biorefinery, based upon giving value to the cellulose portion of used absorbent hygiene products and upon the production of organic-based polymers and fertilizers. The biorefinery will take on a Circular Economy approach by closing the raw material cycle and reducing the use of raw material to a minimum. EMBRACED is an international consortium including the following partners: FATER S.P.A, PROCTER & GAMBLE, SAPONIA, FERTINAGRO, S.L., WITTENBURG, LEGAMBIENTE, NOVAMONT S.P.A., CONTARINA S.P.A., FRAUNHOFER, FUNDACION CIRCE, EDIZIONI AMBIENTE, AEB Amsterdam, TERRACYCLE.

For more information, visit: <https://bbi-europe.eu/projects/embraced>

FATER SpA is an Italian company, a joint venture held equally by Procter & Gamble and the Angelini group. It manufactures and sells the products branded Ace/Neoblanc and Comet in 39 countries in the EMEA. It has widened its absorbent hygiene product range since the 1960s in Italy, where it currently manufactures and sells the products branded Pampers, LINES, LINES Specialist, and Tampax. Fater invests about 4% of its annual turnover in innovation. The drivers of its long-term growth are knowledge of the consumer and markets, shared skills, and the pursuit of efficiency. Its headquarters are in Pescara, and it runs production facilities in Italy – in Pescara and Campochiaro (Campobasso) – and abroad in Porto (Portugal), Mohammedia (Morocco), and Gebze (Turkey).