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# Press release

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## **TECHNOLOGY FOR GENTLE PROCESSING OF FATTY ACIDS**

STC-Engineering GmbH, Germany started the international research project called - LIPES - together with four partners from university and industry from four countries within the EU.

LIPES - Life Integrated Process for the Enzymatic Splitting of triglycerides - is dedicated to bring the first market replication of greener and healthier fatty acids. The objective is to create high purity bio-based intermediates and end products from vegetable oils and fats without high temperature treatment.

The LIPES approach replaces current thermal hydrolysis and saponification production routes, by using a new enzyme-based, environmentally friendly alternative.

Using this approach will make the process far more resource efficient, saving at least 45% water and 80% energy over current approaches.

This project has received funding from the Bio Based Industries Joint Undertaking under the European Union's

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horizon 2020 research and innovation program under grant agreement No 720743. The duration of this project runs from 2016 to 2021.

STC-Engineering GmbH is the responsible project partner for the design and engineering of the demonstration plant within this project. A comprehensive knowledge and expertise of STC in bio processing form the basis for a high sophisticated but safe and efficient manufacturing process. Reproducibility is as much important like easy operation of the system as these are to be built worldwide.

Detlef Klatt, Managing Director of STC-Engineering GmbH, said: "The funding of this project by Horizon 2020 gives us the financial power to participate in the development of a natural processing of natural produced oils and fats. Stay with nature, live healthier and preserve our planet. This is what we are proud of."

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