

The 2015 Frost & Sullivan Technology Innovation Award

On May 14, 2015, representatives of Nafigate Corporation, a company focused on high-tech transfer and commercialization, received the 2015 Frost & Sullivan Technology Innovation Award in London for the Hydal biotechnology, developed at Brno University of Technology (BUT).

Presented by the global agency Frost & Sullivan, which has evaluated groundbreaking innovations for over fifty years, the award recognized the Czech-developed technology that converts used frying oil into biopolymers. Hydal was brought to life by Nafigate Corporation in collaboration with BUT and is protected by patents held by the university team led by Professor Ivana Márová.

Three Czech research teams are now scaling the technology to industrial levels: Professor Márová's group at BUT, Dr. Jiří Trejbal's team at the University of Chemistry and Technology in Prague, and Dr. Aleš Prell's team at the Institute of Microbiology of the Czech Academy of Sciences.

Hydal is a revolutionary biotechnology that transforms waste oils—particularly used frying oil—into bioplastics, offering a sustainable solution to global waste and plastic challenges. Uniquely, it does not compete with conventional raw materials but utilizes globally available waste oils, giving it vast international potential.