

ABSTRACT – NAFIGATE CORPORATION

NAFIGATE Corporation, a.s. is a technology company, which was founded in 2011 with the main mission to find short pathway of for the nanofiber applications to global market. Interconnection of global experts and building global centre of excellence in the field of nano and bio-technologies are the key tools.

NAFIGATE Corporation was founded by Ladislav Mareš as successful continuation of Elmarco – the first company in the world producing machines for the nanofiber production on the industrial scale. **NANOSPIDER™ technology produces nanofibers for applications developed by Nafigate Corporation.**

Nafigate Corporation focuses on following fields of applications:

Development and industrial production of biopolymer –PHA and its applications:

- a) Biotechnology Hydal – development and manufacture of PHA biopolymer and its applications – bioplastics, nano-bio-smart packaging, medical and cosmetics applications. Hydal biotechnology converts used cooking oil to biopolymer – PHA. Hydal Biotech has been awarded with **The 2015 Frost and Sullivan Technology Innovation Award** for the best innovation in oil upcycling with the excellent evaluation of both, the technology and business strategy. Frost and Sullivan is looking for promising technologies, watching their development and evaluates in cooperation with 14000 world experts. Because F&S is the largest knowledge based company, Hydal was proudly awarded with the most prestigious technology award.

Development and industrial production fo nanofiber applications:

- b) Manufacture of cosmetics with nanofibers
- c) Nanofiber applications for filtration of water and air (aslo based on biopolymers)
- d) Application of revolutionary material for battery separators.

