



# NAFIGATE Corporation Introduction Ondrej Mynar





**NAFIGATE Corporation a.s. is knowledge-based company operating in the nanofiber and bioplastic sectors conducting applied research and development of modern high technologies.**



# CORPORATION INTRODUCTION

- **NAFIGATE Corporation Ltd.** was founded in 2011 with the main objective: to accelerate the path of final nanofiber and other high-tech applications to the global market
- **NAFIGATE Corporation Ltd.** is the continuation of a unique and successful story of Elmarco sro., that developed **Nanospider™** technology (global market leader of industrial technology for nanofibres production)
- **NAFIGATE Corporation as.** provides a breakthrough innovations to the global market by using two unique technologies: **Nanospider™** and **biotechnology Hydal**



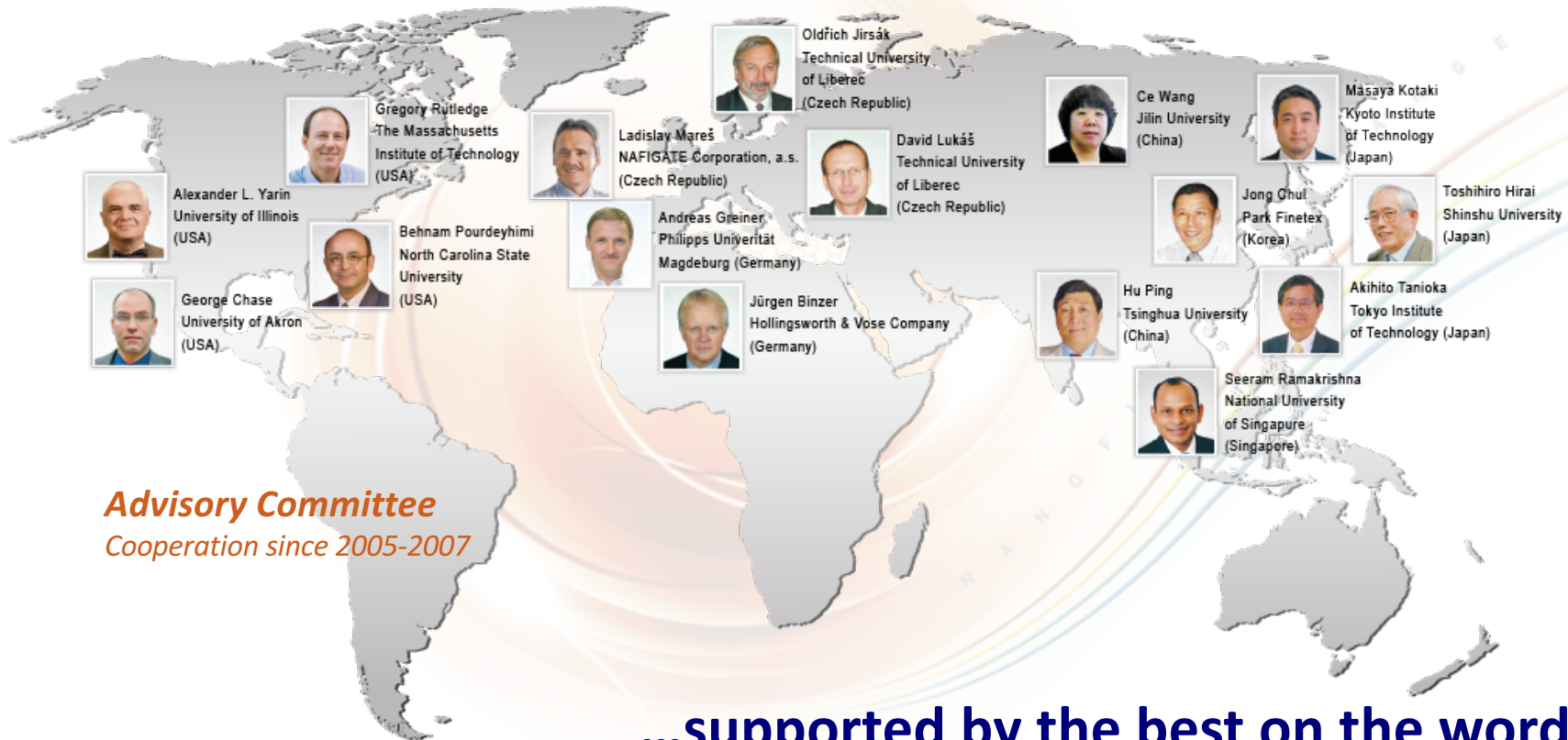
# TECHNOLOGY NANOSPIDER





# NAFIGATE CORPORATION

= Global Center of Excellence



# STRUCTURE OF NAFIGATE





# Hydal Biotechnology project

**Hydal**  
BioTech





# HYDAL SCIENTIFIC/TECHNOLOGICAL CONCEPT & APPROACH

- Green and low carbon biotechnology for natural, biodegradable polymer production by turning renewable waste material to high added value product.
- High performance bioprocess of PHA production to assure lower operational cost and market price
- Various end application.



Waste



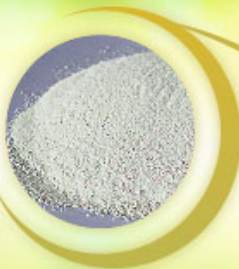
Clean Environment



Used Cooking Oil



Fermentation



Natural PHA



BIO Packaging



Biodegradation



*Motto: "The dual advantage resulting from technology Hydal and the final product makes this technology a visionary innovation from which will benefit both the environment and humanity itself.,,  
Evaluation Report Frost and Sullivan, page no. 4*



# ABOUT HYDAL BIOTECHNOLOGY

“Hydal Biotech is the first and only industrial technology for production of biopolymers in the world which uses waste, used cooking oil, as a source and doesn't exhaust raw materials from the food chain”  
Bioplastics magazine



Hydal Biotech received Frost & Sullivan Innovation award

F R O S T  
&  
S U L L I V A N



# HYDAL – AGRICULTURE MULCH FILMS







# Nanofiber Projects



# OUR NANOFIBROUS APPLICATIONS

Clean Air  
Nanosolution



Clean Water  
Nanosolution

Application Licensing

Head office,  
Prague



R&D Centres

Applications  
development

Start up and  
Operational  
Support  
of End Clients

Technology design





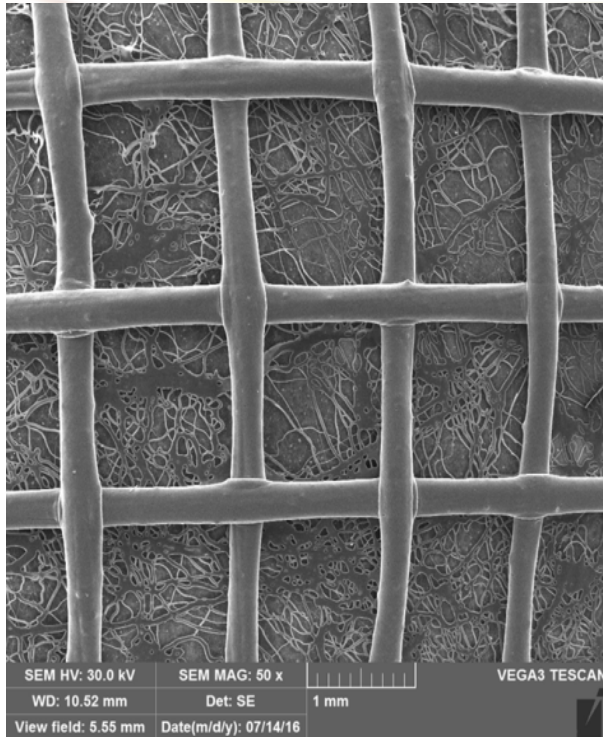
# WINDOWS SCREEN

## FEATURES:

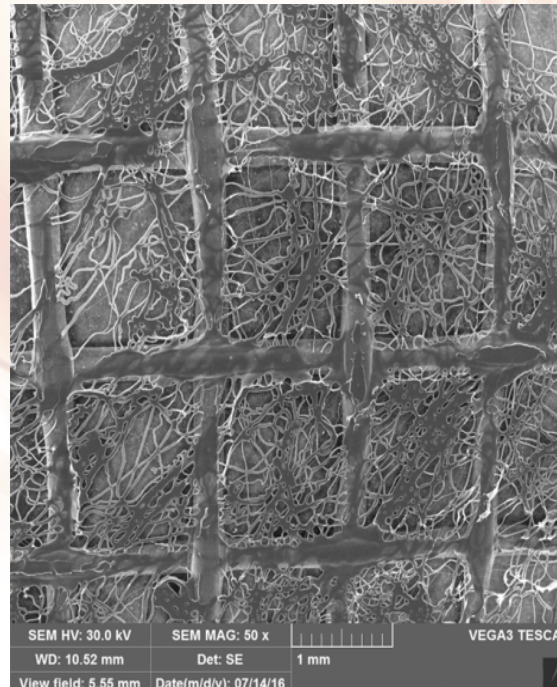
- Prevents air pollution (smog, dust, soot, pollen and other particles that can harm the lungs) from entering indoor environment
- Excellent filtration properties, capturing parts PM 2,5 even PM1
- Excellent light permeability. The mesh has an excellent light permeability, maintaining good visibility ~70%.



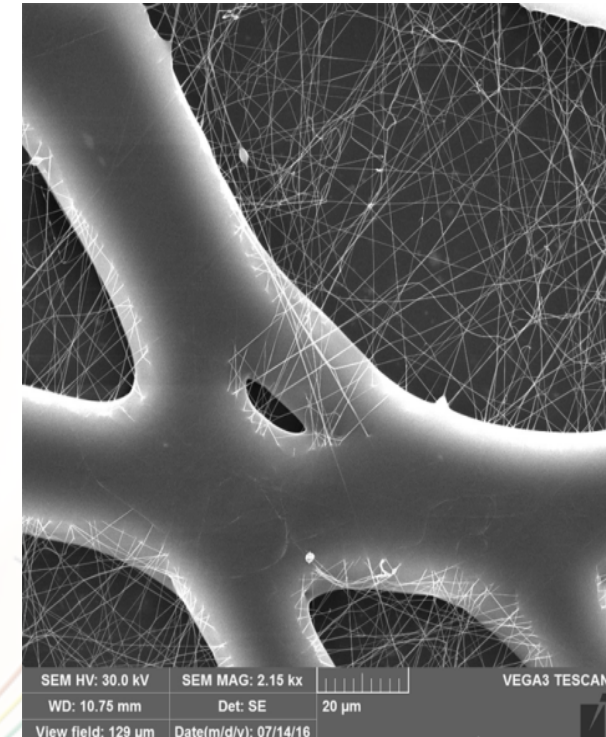
# WINDOWS SCREEN



Magnified structure  
(50x) Rear view  
of fiberglass net with  
nanofibers



Magnified  
structure (50x)  
Front view of  
fiberglass net  
with nanofibers



Magnified structure  
(2150x) Supporting  
Structure for nanoweb.



# NANO EYE LIFT

NAFIGATE  
COSMETICS



B E A U T Y I S S C I E N C E



# NANO EYE LIFT

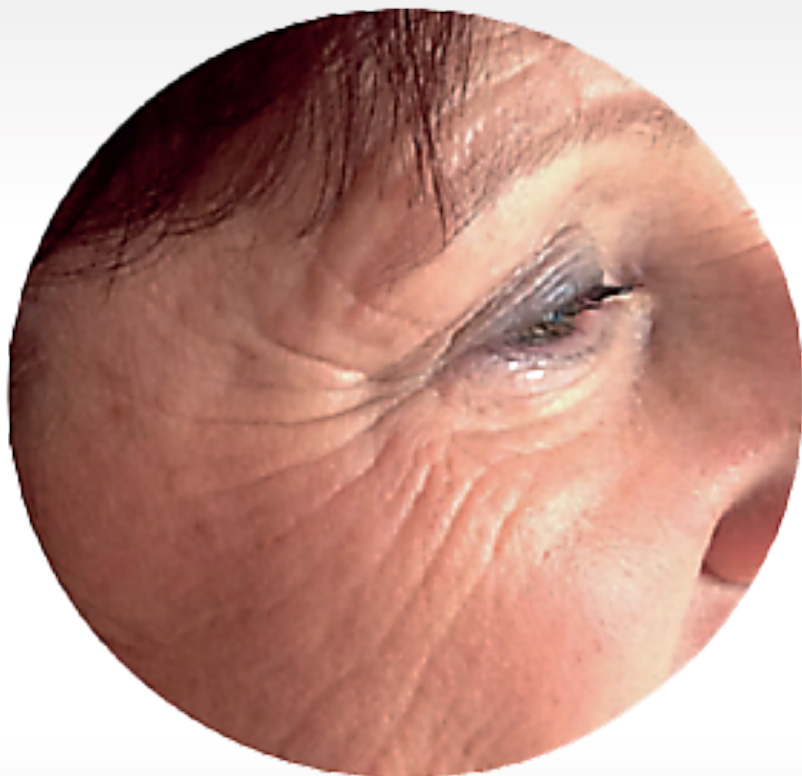
**NAFIGATE**  
COSMETICS



B E A U T Y   I S   S C I E N C E

# NANO EYE LIFT

**NAFIGATE**  
COSMETICS



Before  
application



30 minutes  
later

B E A U T Y   I S   S C I E N C E



THANK YOU FOR YOUR ATTENTION  
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