



# CREATE YOUR BIOBUSINESS IN COOPERATION WITH SCI-SERVICE AND MAKORUS

**D**oes your company intend to cover fresh ground in the field of biotechnology, while developing its business? Then SciTech-Service and MAKOROS will help to realize your idea and support in its fulfilment in Russia.

SciTech-Service — the Finnish company — is an innovative solutions development company that offers the creation of technological processes, as well as services in research of biomaterials and

## The search for the best option of innovative cooperation is always vital for the success.

man-made fibers. “SciTech-Service was founded in 1983, so we have been for a long time at the forefront of a biomass business. SciTech-Service experience encompasses the whole sphere of the

pulp raw materials from softwood and hardwood to bamboo, straw and sugarcane,» says Erik Enkvist — the Executive Partner of SciTect-Service.

An economy based on biotechnology is already familiar to SciTech-Service, but for many companies it is still terra incognita.

«The main targets of Bioeconomy are the traditional products of the pulp and paper industry, while the new their wave is becoming rapidly available. This requires changes in technologies and value chains, and in changes management policy as well. And, to turn a piece of maize

stalk into a T-shirt, you must first to overcome technological bottlenecks. You must have a

clearly defined goal if you want to develop the technology, which gives a final product of a sufficiently good quality,» adds the senior partner Heikki Hassi.

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## DO YOU NEED TO IMPROVE EXISTING PROCESSES OR TO START FROM SCRATCH?

SciTech-Service provides development and research services for companies on the outsourcing basis.

«We offer attractive possibilities for companies which need a strong awareness of biomass use variants. When the company intends to explore new trends in Bioeconomy or improve an existing process or business sector, we analyze this problem basing on the latest data of technology and science. Thereby we can find a solid foundation for the further development for our customer,» says Mr.Enqvist.

The technology sphere is the cornerstone for SciTech Service activity. It is supported with the company's motto: "Technology is the ability of applying scientific knowledge for practical purposes, especially for achieving industrial and business objectives".

**Lignosulfonate is an organic polymer "conglutinating" cellulose fibers in the wood.**

### HIGH INTEREST TO RUSSIAN BIOECONOMY

SciTech-Service has strong ties with Russia. Prof.Panu Tikka, the founder and long-time president of the company, has fond memories of his Russian students when he was Professor of pulp technology in the Helsinki technological University. Among these students was Sergei Malkov (now the CEO of the Siberwood LLC), who received his doctoral degree with highest distinction. Heikki Hassi was the President of the project, closely approached the construction of a completely new pulp and paper mill in the Kostroma region.

Collaboration of these companies is being realized in form of common projects between SciTech-Service and consulting department of MAKORUS headed by Konstantin Ivanov. MAKORUS is responsible for local specifics knowledge and engineering, while SciTech-Service contributes the scientific approach and access to laboratory research.

MAKORUS has been working in the market of consulting and engineering services for

the forest and paper industry of Russia and Finland since April 2012. The company unites a team of 30 professionals with experience in the implementation of innovations in large international investment projects and in projects for pulp and paper industry in Russia (STEP Syktyvkar, Polar Bear, LWC Kama, Sveza). Over the past 5 years, MAKORUS has participated in more than 60 projects in the following areas: forestry, mechanical wood processing, pulp and paper industry, research and development, bioenergy.

**In process of lignin sulfonation the dispersing or plasticizing properties are given to it.**

«We hope that we will have the opportunity to develop Russian industry in the framework of many outstanding projects,» say Enkvist and Ivanov. **PPI**

### Learn more about our companies!

Official sites:

[www.scitech.fi](http://www.scitech.fi),

[www.makorus.com](http://www.makorus.com)

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