

## Profile View

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### Details

**Title:** Development of green chemistry based functional biomaterials: Offering biobased alternatives to fossil-based materials and material solutions development based on unique requirements.

**POD Reference:** TOFI20210812001

**Summary:** An innovative Finnish biomaterials company specialises in design and development of new functional properties for industrial biomaterial solutions. Their expertise is based on developing solutions to multiple industries and providing fast prototyping and full fit for customers' production lines. The company is offering renewable material solutions and a material solutions development for commercial agreements with technical assistance as well as technical and research cooperation agreements.

**Description:** Are you seeking to develop new sustainable alternatives to your current material solutions? Would your customers and products benefit from new improved functionalities to enhance material performance? An innovative renewable materials manufacturing company from Finland is your material solutions development partner when you require rapid co-development for liquid or decorative coating solutions, innovative functional barrier properties or new polymeric materials for replacing plastics. The company is working with multiple industries such as packaging, construction, cosmetics and consumer goods.

The company is unique in its capability to combine biobased materials with industrial side-streams. Their visionary deep tech synthetic chemistry meets varied customer requirements incorporating incremental functionality, such as UV filtering, chemical resistance, temperature process range and mechanical strength. Their technology is the foundational chemical building block from which they can quickly and efficiently innovate new coatings, materials and components against a variety of unique process and application specifications.

Their green chemistry technology creates an optimal fit between coatings, barriers and plastic replacing materials to help you in raising your material functionality to the next level. With the company's technology you can develop new materials and properties, gain higher performance, utilize renewable natural sources, eliminate microplastics and drop solutions into your existing process.

The company is offering renewable material solutions to replace fossil-based materials. Materials (granulates, filaments and coatings) are available in several different grades, with varying properties and application specifications. The company is also offering material solutions development based on unique requirements.

The company is looking for commercial agreements with technical assistance. They are searching industrial partners interested in acquiring novel sustainable materials and incorporating them into their supply chain in order to support sustainable development targets.

In addition, the company is interested in technical and research cooperation agreements and finding new product development partnerships or research projects to expand and test the technology and materials in further potential applications.

**Advantages and Innovations:**

The company is unique in its capability to combine biobased materials with industrial side-streams. The company's green chemistry technology creates an optimal fit between coatings, barriers and plastic replacing materials to help you in raising your material functionality to the next level. With the company's technology you can develop new materials and properties, gain higher performance, utilize renewable natural sources, eliminate microplastics and drop solutions into your existing process.

**Stage of Development:**

Already on the market

**Comments Regarding Stage of Development:**

The company's team is constantly developing new renewable solutions together with global customers. Would you require marine biodegradability, repulpability or entirely new solutions to e.g. packaging?

**IPR status::**

Patents granted

**Comments Regarding IPR Status:**

We have a strategy to protect our valuable intellectual property, with first patent families pending and registrations in place, with no obstacles so far found.

**Profile Origin:**

Private (in-house) research

## Keywords

Technology 02002002 Coatings

Keywords: 02002013 Moulding, injection moulding, sintering  
02002014 Extrusion  
02005004 Packaging for materials  
02007020 Biobased materials

Market Keywords: 08001001 Plastic fabricators  
08001005 Other fabricated plastics  
08001007 Coatings and adhesives manufactures  
08001009 Speciality/performance materials: producers and fabricators  
08001015 Other speciality materials

NACE Keywords: C.20.3.0 Manufacture of paints, varnishes and similar coatings, printing ink and mastics

## Partner Sought

Type and Role of Partner Sought: The company is looking for industrial partners interested in incorporating sustainable material solutions into their supply chain to support sustainable development and to prepare for EU green deal targets. The company is looking for commercial agreement with technical assistance and adaptation to specific needs.

They are also interested in technical and research cooperation agreements and finding new product development partnerships or research projects to expand and test the technology and materials in further potential applications.

The company is also interested in partnering in EU Horizon Europe calls.

Type and Size of Partner Sought: >500  
>500 MNE  
251-500  
Inventor  
R&D Institution  
SME <10  
SME 11-50  
SME 51-250  
University

Type of Partnership Considered: Commercial agreement with technical assistance  
Research cooperation agreement  
Technical cooperation agreement

## Client

Type and Size of Client: Industry SME 11-49

Already Engaged in Trans-National Cooperation: Yes

Languages Spoken: English  
Finnish  
German  
Swedish

Client Country: Finland

