

Funding Programme: NUCLEUS Programme PN 19 17 „Textile and Leather Industry at 2022 Horizon – from Tradition to Sustainability and Multidisciplinary through Research-Development-Innovation – TEX-PEL-VISION”

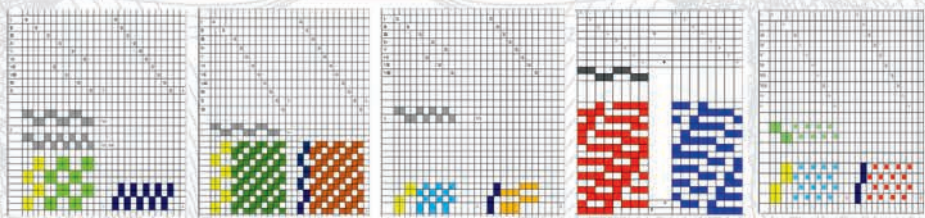
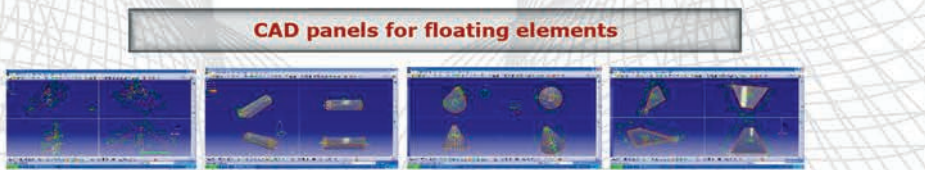



Project Title: - High tech composite structures for the sustainable development of biodiversity and aquatic ecosystems – acronym 4AquaSave

Contract No.: 19 17 ⇒ **Project code:** 19 17 02 02

Starting date: January 2019 ⇒ **Ending date:** December 2022

Project Objective: The development of high-tech composite structures for autonomous modular systems used for signaling and rescue in maritime and/or fluvial risk areas adjacent to the coastal area, blocking oil fractions spilled into the aquatic environment, as well as the development of biofilter material in order to ensure the sustainable development of biodiversity and aquatic ecosystems.

MAIN OBTAINED RESULTS: Product prototypes for the sustainable development of biodiversity and aquatic ecosystems.

<ul style="list-style-type: none"> Set of composite materials prototype containing textile matrix and related technologies Set of digital panels (CAD) Set of digital models (CAD/CAM) 	<p>Programming schemes for textile matrix</p>  <p>CAD panels for floating elements</p>  <p>Digital models</p> 
<ul style="list-style-type: none"> Set of modular systems from of composite materials with textile matrix 	<p>Prototypes of modular systems</p> 
	<p>Testing on shore and in real condition in open sea</p> 
<ul style="list-style-type: none"> Patent applications 	<ol style="list-style-type: none"> 1. A/0380/06.07.2020: Reinforcement materials for composite structures used in the manufacturing of signaling/rescue systems in the aquatic environment. 2. A/00628/08.10.2020: Textile matrix for composite used to build the modular system for the development of the biofilter material. 3. A/00249/10.05.2022: Assembly procedure of the lightweight panels intended for the modular system of the biofiltering material development in brackish seas. 4. A/00307/07.06.2022: Flexible reinforcement for composite structures used on the leading edge of the trawling equipment for the polluting surface located offshore. 5. A/00308/07.06.2022: Textile structure for the composite matrix of the overground enclosure stations for the pollutant recovered from seas and fresh water ecosystems. 6. A/00591/28.09.2022: Flexible structure for manufacturing submerged enclosures for suspended growth of bivalve molluscs from the Ostreidae family 7. A/00592/28.09.2022: Mounting procedure for composite material panels used for signaling/rescue buoys located in restricted waters.



THE TECHNOLOGIC AND BUSINESS INCUBATOR < ITA TEXCONF >

ITA TEXCONF is an entity in the infrastructure of innovation and technological transfer without legal personality, established within INC-DTP based on HG 406/2003, accredited for the textile – clothing field and re-accredited in 2020, Certificate no. 118/2020, issued by the Ministry of Education and Research.



ITA TEXCONF is part of the National Network for Innovation and Technology Transfer ReNITT and acts for the sustainable economic and social development of the textile sector, by ensuring access to technological performance, developing the innovative environment, introducing quality systems and developing human resources.

The incubator is involved in specific actions of collaboration with all 4 existing clusters in the textile field, of which it is part as an active member: Romanian Textile Concept Cluster – RTxC, ASTRICO NE, Traditions Manufacture Future and Transilvania Textile & Fashion Cluster.



Services:

- ❖ Services of sustaining textile-clothing SME competitiveness within the competition background of the market economy;
- ❖ Services aiming at creating partnerships and financing drawing in within the projects;
- ❖ Services aiming at the product, equipment, innovation technology promoting in the field of textile-clothing, as part of scientific events (fairs, symposiums, conferences, etc.);
- ❖ Mediating contracts of technology transfer/manufacturing of products, experimental models, prototypes and specific applications for technical textile, personal protective equipment, invasive and non-invasive medical devices, special-purpose items, etc.;
- ❖ Mediating contracts in the field of investigating the textile material and product properties, within the RENAR accredited INC-DTP laboratories.

Lucretiu Patrascanu street, no. 16, sector 3, 030508, Bucharest, Romania

Phone: (0040)-21.340.49.28; 340.42.00; Fax: (0040)-21-340.55.15

E-mail: office@incdtp.ro

General manager: Dr. eng. Alexandra Gabriela Ene