



HIGH PROTECTIVE CLOTHING FOR COMPLEX EMERGENCY OPERATIONS

Welcome to the first edition of the **SAFEPROTEX** newsletter!

This newsletter will appear annually with the willing of informing those interested in the

SAFEPROTEX – Short Description

The new Community strategy for 2007-2012 on health and safety at work stresses and sets out the need to identify situations of risk exposure and to design preventive solutions and innovative technologies to deal with the new risks that have to be faced by emergency bodies as well as emergency teams.

SAFEPROTEX Project falls into this big goal.



The SAFEPROTEX Project is funded by European Commission, under 7th Framework Programme

SAFEPROTEX is a step forward in the aim at matching the most promising materials and technologies and the need for high added value protective clothing.

SAFEPROTEX is a collaborative project under the 7th Framework Programme targeted to SMEs (call identifier-FP7-NMP-2008-SMR-2).

The starting day of the Project was April the 1st, 2010 and the duration is 42 months. There is the participation of nineteen beneficiaries belonging to nine European countries (Greece,

developments of **SAFEPROTEX** project. This first edition will give you a general introduction and a short description about the Project and presents the kick off meeting held in Athens on days 15 and 16 of April, 2010.

Czech Republic, France, United Kingdom, Finland, Spain, Sweden, Italy and Slovakia).

SAFEPROTEX – Goals

There are two main general goals for the project. First one is the development of protective uniforms, incorporating multiple protective properties and designated for rescue teams and emergency bodies under complex risky conditions met in various types of everyday emergency operations. That means designing protective uniforms able to protect against the multiple hazards of risky situations: protection against wetting and water permeation; protection against extreme environment temperatures; protection against microbial contamination; protection against fire and associated heat; protection against UV radiation; protection against static electricity.

A second goal is achieving a big component of durability of those protective functions by respecting physiological comfort and mechanical parameters.

The **European dimension** of the project is assured by the fact that the competences required to reach the goals of the project - related with chemical protection,



NEWSLETTER № 1

MAY 2010

thermoregulation, high temperatures alerts and antibacterial properties- are unique and cannot be found in a single country.

The **Economical and Competitiveness aspects** of the project are assured by the fact that the unique properties of **SAFEPROTEX** expected products have a strong potential for wide applications in the various emergency teams operating worldwide, so the spectrum of marketed and business possibilities is very huge. In addition, the project opens a door for the SMEs cooperation around Europe, by investigating and producing High-tech value products.

SAFEPROTEX – Means

SAFEPROTEX project is highly multidisciplinary and requires developments in diverse areas such as polymers science, technology and processing, new additive masterbatches development and fiber spinning, nanotechnology, sol-gel technology, smart thermoregulating materials, micro-encapsulation, plasma technology, ergonomic garment design, etc. Based on a unique combination of expertise, an extensive literature review and a deep knowledge of textile materials and technologies, the Consortium has selected among various approaches to focus its research activities on the most promising materials and technologies.

SAFEPROTEX – News

The kick-off meeting of **SAFEPROTEX** took place on 15 and 16 of April in Athens (Greece), where outline of the work and steps to be followed have been discussed.

Next **SAFEPROTEX** meeting will be held in late September 2010 in Bilbao (Spain), and will be hosted by **GAIKER**.

SAFEPROTEX – Contact us

Web site of **SAFEPROTEX** is currently under construction. For any request please, contact Dr. Silvia Pavlidou, Project Coordinator from CLOTEFI (spavlidou@etakei.gr)

SAFEPROTEX – Partnership

Technological Centres and SMEs working together for **SAFEPROTEX** are:

- Clothing Textile & Fibre Technology Development Company (Project Coordinator);
- INOTEX spol,s.r.o.;
- RESCOLL Technical Centre of Materials;
- TDV Industries;
- De Montfort University;
- Tampere University of Technology;
- GAIKER Technological Centre;
- Swerea IVF AB;
- Next Technology Tecnotessile Società Nazionale di Ricerca r.l.;
- LEITAT Technological Center;
- Lenzi Egisto S.p.A;
- Vyskumny ustav chemických vlakien, a.s;
- CALSTA Work Wear S.A.;
- NANOTHINXS S.A.;
- Suministros Iruñako S.V.
- Fundació Privada CETEMMSA;
- SAR-ESPAÑA;
- RESCUE GR;
- PALMHIVE Technical Textiles LTD.