

## Title: Micro knitting yarn biocomposites (metallic fibers, Organic fibers and biodegradable resin) for the smart Textile market.

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On the dynamic business scenario, Be Functional, Smart and Interactive are the most valuable asset to become a reference in our markets. The global Smart textile market promotes the implementation of Nanotech and Bio composites projects in this field. Please note the market by moving beyond traditional path of what means value and fulfilling business future.

We can identify the strategic alliance between Textile industry and several markets as Polymer, Cosmetic, Health, Architecture and Fashion. For several years, while these "S-textile" program have been able to go beyond the original objectives and is seeking its way towards

industrialization and mass production for enhancing the breakthrough of intelligence textile systems.

Every Innovative initiative are committed in improving the convergence between industries and the leading edge of the Textile market; on this scenario is a priority the deep understanding of megatrends and new segments.

We discuss about the most important trends that will define the architecture future of Smart Textile world.

Smart is the new green, innovation to zero, urbanization, connectivity and convergence

Smart is the new green. It is the evolution of Green Products to Smart products and service. SMART is all about efficiency, convenience and savings. We can define better with the implementation of BIOMIMETIC and mathematical equation  $\sum Et \times \sum Ee \times \sum Em = 0$ , where time + force + movement must be Zero.

Innovation to Zero means Innovation to negative beyond zero. It is a Mega Vision. It will be huge progress Innovation to zero embrace research development planning and execution. All linked to the common labyrinth of sustainability as slow fashion. Urbanization

The era of "Bio Smart-Textile world" is a new approach to address the design in the modern architecture. The integration of bio composites and bioclimatic sensors that will lead to the emergence of new, innovative and unique design.

### Biography

MSc Eng Liliana Rubio Chemical Engineer, Master in Project Management, MBA in Business Administration, MBA in Innovation Management, Specialist in polymer; over 20 years' experience working on new business, R&D and marketing. Lecturer on innovation & sustainability at universities and the main trade fairs of polymer Industry in Latin America, EUA and Asia. Author of several articles .