

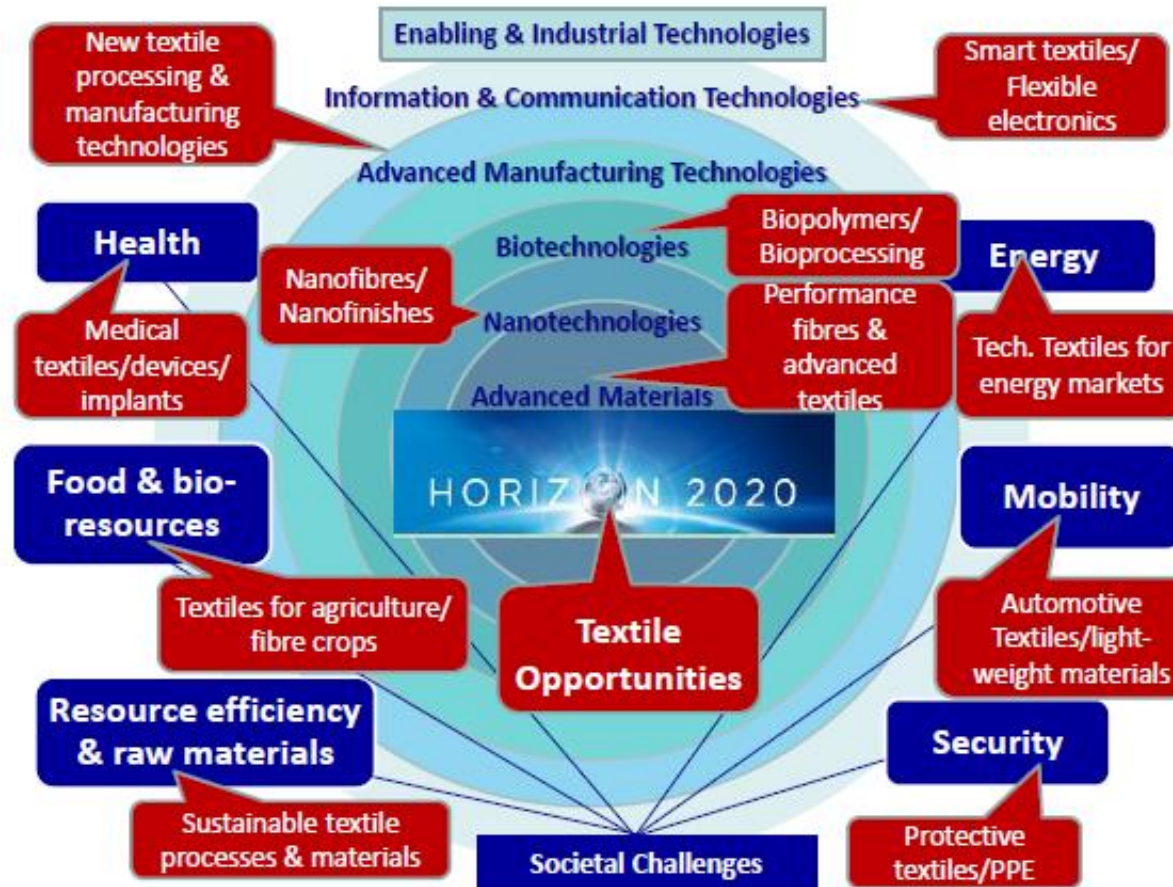


TEXTILIPARI  
MŰSZAKI ÉS  
TUDOMÁNYOS  
EGYESÜLET

Közhasznú szervezet

# Merre tart a világ textil- és ruházati ipara, avagy meddig tekintsünk előre?

OKISZ székház – Baross Terem





TEXTILIPARI  
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**FUTURE MARKETS**

Tomorrow's technology, Today

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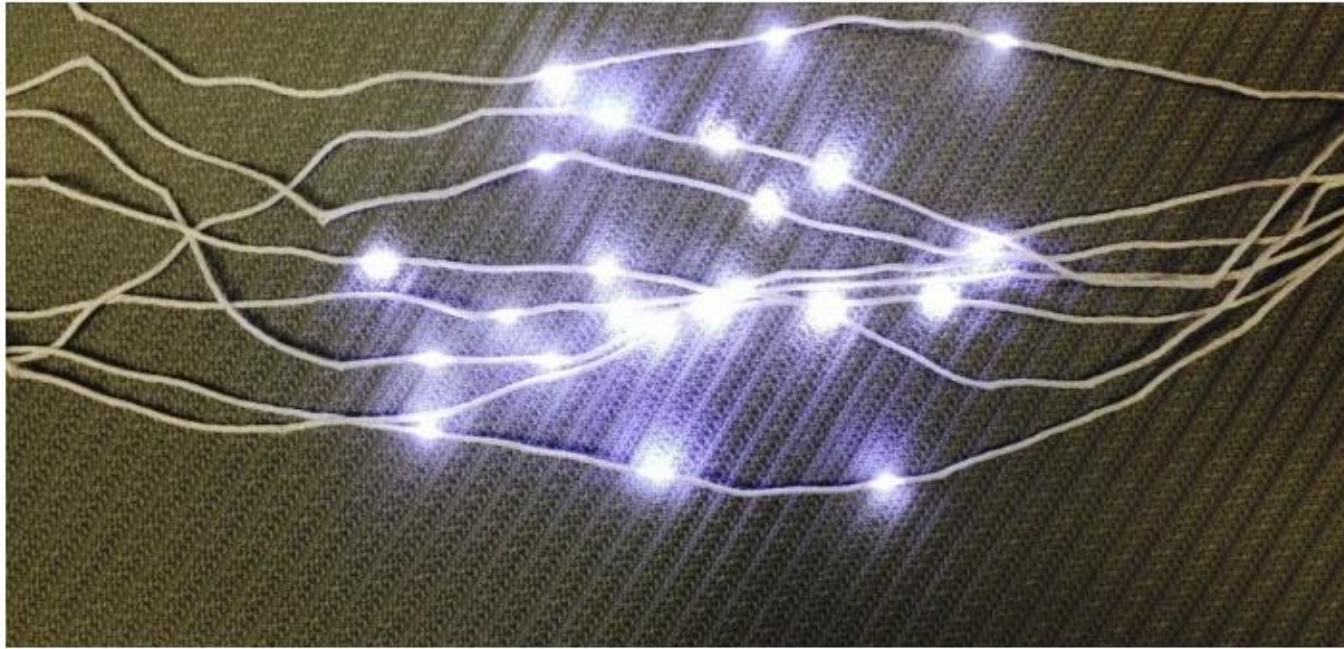


The Global Market for  
Nanoelectronics  
(Nanotechnology in  
Electronics)



The Global Market for  
Quantum Dots  
2017-2027





## | The Global Market for Nanotechnology in Smart Textiles and Wearables



**Global Opportunity, Markets, Applications, Technologies and Companies-Wearable electronics and sensors, medical and healthcare smart textiles and wearables, smart clothing and apparel, sportswear, wearable energy storage and harvesting**

The number and variety of smart textiles and wearable electronic devices has increased significantly in the past few years, as they offer significant enhancements to human comfort, health and well-being. Wearable low-power silicon electronics, light-emitting diodes (LEDs) fabricated on fabrics, textiles with integrated Lithium-ion batteries (LIB) and electronic devices such as smart glasses, watches and lenses have been widely investigated and commercialized (e.g. Google glass, Apple Watch). There is increasing demand for wearable electronics from industries such as:

- Medical and healthcare monitoring and diagnostics.
- Sportswear and fitness monitoring (bands).
- Consumer electronics such as smart watches, smart glasses and headsets.
- Military GPS trackers, equipment (helmets) and wearable robots.
- Smart apparel and footwear in fashion and sport.
- Workplace safety and manufacturing.





# Towards a 4<sup>th</sup> Industrial Revolution of Textiles and Clothing

*A Strategic Innovation and Research Agenda  
for the European Textile and Clothing Industry*

PUBLIC VERSION *October 2016*

# Key Trends

Digitisation  
Virtualisation

Sharing/Collaboration  
Pay-per-use

Sustainability  
Circularity

## FUTURE VISION 2025

By 2025 the textiles and clothing industry, including fibre-based materials, clothing, home and technical textiles, will be a strategic EU industry sector providing innovative and competitive products enabling personalised, adaptable and attractive solutions, integrating services for very diverse, informed and demanding consumers and business.

It will operate according to a globalised and efficient circular economic model that maximises the use of local resources, exploits advanced manufacturing techniques and engages in cross-sectorial collaborations and strategic clusters. It will implement profitable and inclusive business models and attract skilled and talented entrepreneurs and employees.

*European Commission – Joint Research Centre  
Industrial Landscape Vision Study 2025, January 2016*



# *The End*



**Köszönöm a figyelmüket!**