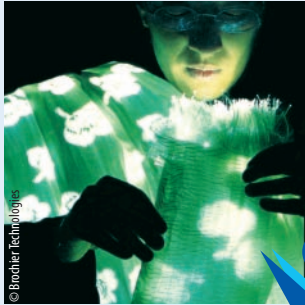


# e-textiles application areas

## Medical & Healthcare



## Personal Protection



## Automotive



## Sports & Wellness

*We are the driving wheel  
towards more intelligent  
textile systems*



[www.systemx.org](http://www.systemx.org)

## Contact

For further information or request on membership please contact:

[info@ihofmann.com](mailto:info@ihofmann.com)

Tel.: +49-611-89 05 96 40

## Related EU projects

DEPHOTEX

[www.dephotex.com](http://www.dephotex.com)

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Microflex

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[www.soprano-ip.org](http://www.soprano-ip.org)

STELLA

[www.stella-project.de](http://www.stella-project.de)

VERITAS

Photography on title: „KLight“ – interactive dress with Stretchable Circuit Board Technology (SCB) © Fraunhofer IZM Berlin  
Photography inside: Helmut Stettin, [www.stettinfoto.de](http://www.stettinfoto.de)  
Design: Peter Wagner, Büro für Konzeption und Gestaltung  
Text: Isa Hofmann, IHOFMANN, [www.ihofmann.com](http://www.ihofmann.com)



**SystemX – FP7 coordination action for enhancing the breakthrough of e-textiles and wearable micro systems in Europe**



*Driving wheel  
towards more  
intelligent  
textile systems*

Grant agreement no.: 224386  
THEME ICT-2-3-6 Micro/nanosystems



[www.systemx.org](http://www.systemx.org)

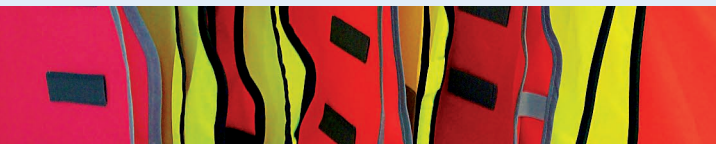


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## Synergies via European networks and clusters

**SYSTEX, an ICT project** of the Seventh Framework Programme, is a co-ordination initiative based on 12 partners from 5 European countries to build up a market-driven framework and orientation in the area of e-textiles and wearable micro systems.

SYSTEX aims at collecting technological and non technological information on relevant projects at various levels and classifies them in a transparent knowledge based information platform, structuring the relevant data of the entire e-textiles value chain according to the requirements of the interacting partners. The analysis of the available and ongoing research activities in e-textiles and wearable micro systems and the respective results will be edited in the framework of an interactive website and thus enhance cross-sectoral synergies and speed up the exchange of project results. Access to this new data pool shall be a true added value for every party involved in intelligent textile systems and offers a clear competitive advantage. The objective of SYSTEX is to identify the hurdles in the interdisciplinary knowledge transfer and to initiate actions to overcome them. Systex has a strong market-driven focus and is geared to foster cooperation between the different knowledge carriers: industry, academic, government institutions, research & development and users of the technology.



## Benefits for SYSTEX members

- Share information and knowledge in privileged European expert clusters with relevant stakeholders
- Rapid access to major technologies and partners (industry, research, academic experts, projects, papers, patents)
- Easy access to data in the area of intelligent textiles and know how on funding possibilities at EU level
- Networking opportunities at a reliable and trustful level with industry experts
- Get an overview on companies/suppliers in the area of smart textiles
- Gain stronger evidence on market pertinence of new technologies and products
- Benefit from broad dissemination at EU level

**The common effort will contribute to increased market share for European companies across different industrial sectors.**

For further information and membership request please refer to [info@ihofmann.com](mailto:info@ihofmann.com) Tel: +49 -611- 89 05 96 40

## Become an affiliated member of SYSTEX

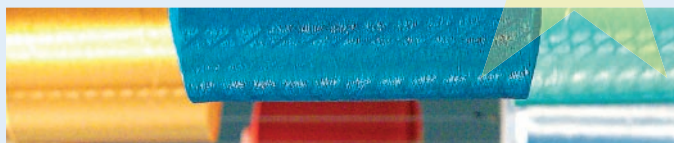
All stakeholders who are interested in the rapid progress of e-textiles, smart fabrics and interactive flexible wearable systems are invited to join the community.

SYSTEX applies to experts from industry, research and trade, that share the e-textile paradigm of a full seamless integration of sensing, processing, actuating and communicating functions in a woven or non-woven structure.

Miniaturised systems able to sense, diagnose, describe and qualify a given situation, able to interact with the environment and other smart systems are useful in various applications. Core technologies like interface, connectivity, sensing, skin contact, transmission are still issues of further research and testing.

**We call on all partners of the different levels of the value chain from the following markets:**

- **MEDICAL & HEALTHCARE** (examples: health monitoring devices for prevention, diagnosis, therapy and rehabilitation; heating or cooling sheets)
- **AUTOMOTIVE** (examples: interior claddings; intelligent passenger safety systems, airbags)
- **SPORTS & WELLNESS** (e-textiles with integrated sensors for training purposes; wearable healthcare systems to monitor vital parameters or enhance wellbeing)
- **PERSONAL PROTECTION** (personal protective systems with enhanced functionality; protection against environmental risks including fire, heat, chemical or biological hazards)



## Driving wheel towards more intelligent textile systems

Contract number: FP7-ICT- 2007.3.6: micro/nanosystems  
Grant agreement number: 224386  
Project start: June 6, 2008  
Duration: 36 months  
EU-funding: 800.000 €

SYSTEX is supported by the 7th Framework IST Programme of the European Commission

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