

INN*tex*

innovation netzwerk textil e.v.

SACHSEN!TEXTIL

Eine Verbundinitiative des Freistaates Sachsen

Verbundinitiative SACHSEN!TEXTIL

managed by

INNtex Innovation Netzwerk Textil e.V.

HIGHTECH MADE IN SAXONY



TEXTILE 2020 – Biella June 2013

Textile Industrie Saxony

- Facts
- Challenges
- Way Forward

General situation in the Federal State of Saxony

- After reunification most of the textile and clothing companies in Eastern Germany were closed and the number of employees in T/C was drastically reduced:

1989	318. 000
1992	less than 50.000
2009	12.600

For those companies which „survived“, a re-orientation was necessary

- Find new growth markets such as technical textiles
- Diversification from conventional technologies and products into technical application fields (for instance from narrow braiding to conveyor belts and packaging material or from clothing to protective clothing)
- Close cooperation between researchers, producer and end-users

Technical Textiles in Saxony

Application fields	Number of companies in Saxony
Agrotech	10
Buildtech	16
Geotech	11
Hometech	43
Indutech	33
Medtech	22
Mobiltech	40
Oekotech	8
Packtech	17
Protech	32
Sporttech	12

Current Situation

- The structure of textile industry from saxony is characterized by small and medium-sized enterprises (SME).
- annual growth in the segment of technical textiles by about 5 %
- textile industry in Saxony – a real cluster with all the technological stages

Future Challenges

- supply and cost of raw materials
- rising energy costs
- skilles personnel for the future – “go textile”
- high pressure for innovation – better than cost pressure

INNtex e.V. - the taskholder for SACHSEN!TEXTIL

SACHSEN!TEXTIL as an initiative for the Saxon textile industry was established on behalf of Saxon State Ministry of Economic Affairs and Labour. You are welcome to discover on our homepage the variety of Saxon textile companies and to get information on events and activities of our branch.

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Main Tasks - SACHSEN!TEXTIL

- Innovation - initiating, designing of research project together with partners from industries and science
- Cooperation – Development and support of network projects

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Results since 2006 - SACHSEN!TEXTIL

- 69 research projects with 314 enterprises and institutes
- 14 Cooperation Networks with 165 members
- 24 SME-Cooperations with 84 enterprises

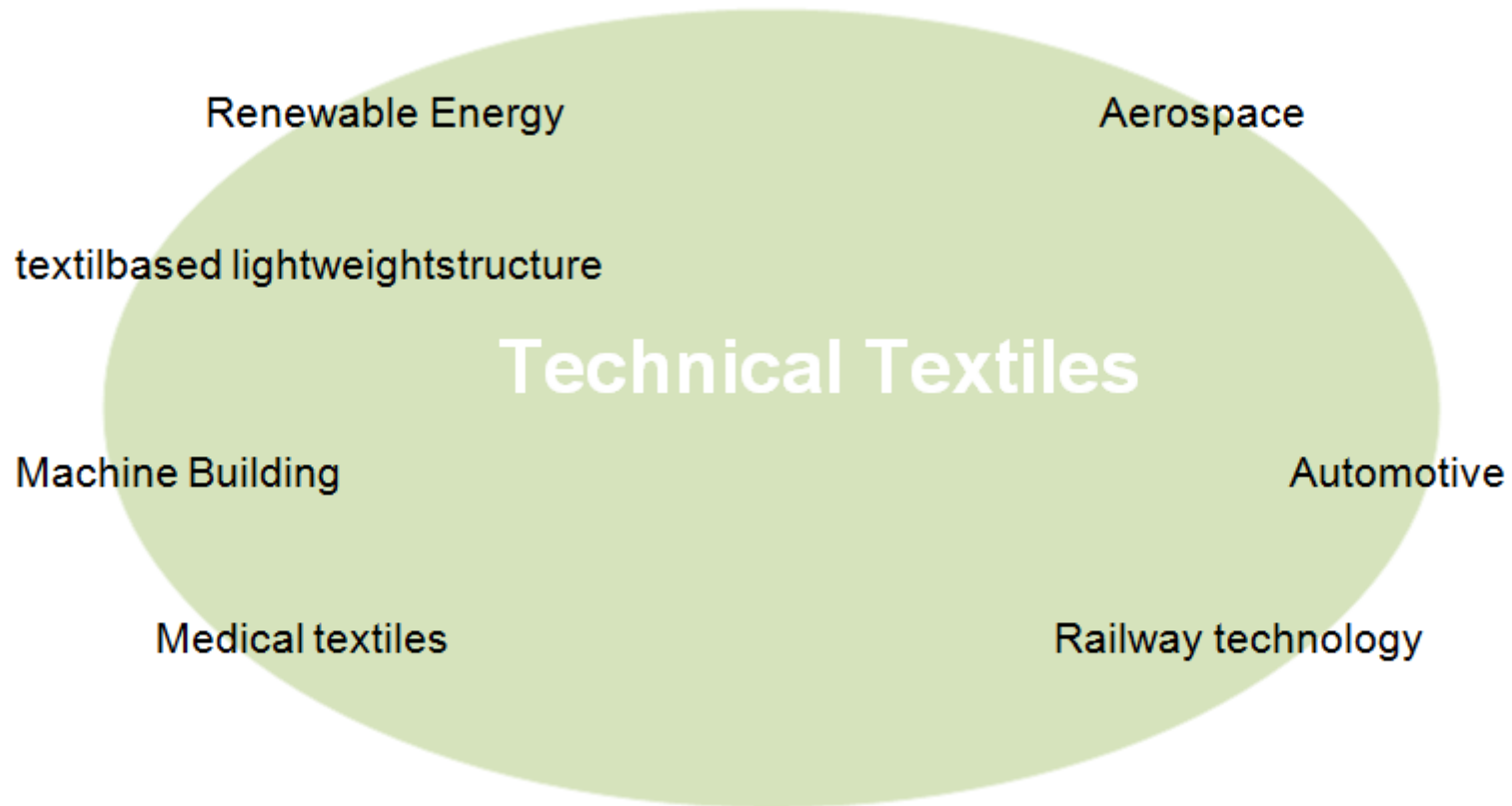
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SAXON NETWORK PROJECTS

VOBAtex	Product and technology developments in the field of innovative building textiles
InoReTex	Interdisciplinary cross linking of technologies in the field of technical textiles and renewable energies
Basalttec	Novel basalt fibres for innovative raw materials in the building and processing industries
Texton	Opening up of markets by product and technology developments in efficient application of fibre and textile reinforced concrete for building and retrofitting
ProTex	Company network of protective and safety textiles
Wevuna	Composites with natural fibres as matrix in the field of plastic processing
IMATex	Innovation and marketing alliance "textile finishing"
highSTICK	Embroidery technology for future markets
MaliTec®	New technologies in stitch-bonding and web knitting for technical applications
InCoTex	Innovation centre for customer-oriented, individual textile products – cross bordering cooperation project between the border regions Saxony and Czech Republic
InMaTex	Centre of innovation and cooperation for customer-oriented, individual textile products – cross bordering cooperation project between the border regions Saxony and Poland
CrossTexNet	The european textile cluster
AutoComp	Consortium for Automation Innovation in Composites Manufacturing
COMBAFI	Innovative reinforcing materials in composites
Vitaltex	Innovative textile products for applications in medicine, health and sports

Approaches and requirements for further
profiling of the
Textile and Clothing Industry
with focus to Saxony

1. The competition is one of the high-performance fiber composite materials (CFRP, GRP, etc.) clearly the future. In particular, the increasing demands of energy efficiency and electric mobility forcing new conceptual approaches in structural lightweight.

The Saxon textile industry has in common with the plastics industry, the trace of means of transport and engineering over the longer term aim to achieve growth in this market leading position.

2. The early dedication to the growth market of technical textiles, the Saxon textile industry has launched a successful development. The field of technical textiles is increasingly characterized by diversity, fragmented markets and differentiated development dynamics. It is therefore important to continue to recognize the long term, especially high-growth segments and focus on the profile of the company to Saxony.

Approximately 50 % of sales are achieved through technical textiles

1. The growth of technical textiles is largely based on the displacement of innovative materials currently used by textile materials. This results in the most important requirements of a strict application of a systematic orientation and cross-industry collaboration.

As demonstrated by the experiences of high-growth core stick, this is especially true for finding new applications for conventional textile technologies.

1. The 16 German textile research institutes differ from each other today in their profile less than 10 to 15 years. The efficacy of these facilities would increase by a concerted focus more clearly on their core competencies.

The Saxon institutes and universities (Chemnitz, Dresden, Freiberg, Reichenbach) should distinguish itself together with the Thuringian institutes (Greiz, Rudolstadt) long so that each institution takes on an important area for the regional industry an internationally leading position.

- The closer cooperation with the textile regions in the border areas in the Czech Republic and Poland is well established in the EuroTextilRegion. The focus is in classical textile branch and in technical textiles. In all three countries the automotive supplier industry is located. Cross national clusters, projects and conferences are established.

INNtex e.V. together with STFI represented Saxony at the european textile “Crosstexnet” clusterplatform and INNtex is a partner of TEXTILE 2020.

- Saxony has several powerful training centers for textile engineering and design (Dresden, Reichenbach, Schneeberg, Plauen).

This growth potential to be an even faster to the practical requirements of the Saxon textile industry.

The contribution of the creative talent to enhance the innovation process.

Thank You.

INNtex Innovation Netzwerk Textil e.V.

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