



## Questionnaire to Technological Centres (Answers related to textile field or similar)

### GENERAL INFORMATION CENTRE

<b>NAME:</b>	CETEMMSA, TECHNOLOGICAL CENTER
<b>ADRESS:</b>	Avda. D'Ernest Lluch, 36 Parc Científic TecnoCampus, 08302 Mataró

### TYPOLOGY OF SERVICES CARRIED OUT BY THE CENTRE (Percentage of each activity)

TYPOLOGY OF SERVICES FOR ACTIVITY	%
Research	10
Development	30
Innovation	30
Test	
<i>To certify products or processes</i>	0
<i>To control products or processes</i>	0
Consultancy	10
External Training	20
Other activities	0
<b>TOTAL</b>	<b>100</b>

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Total number of activities carried out per year: 49 (2010)

Number of active clients: 142 anual

### STAFF

Staff according to activities	Number of employees	%
Research + Development + Innovation		76%
Testing		---
Administration		10%
Other Departments		14%
<b>TOTAL</b>		<b>100</b>

#### How is the staff organized?

- Technologies
- Laboratories
- Research Groups
- Other

**RESULTS OF CENTRE ACTIVITY**

Results according to type of activity	
Number of patents registered	9
Number of scientific papers published	3
Number of dissemination articles published	3
Number of papers at congresses	2
Number of lectures	0
Other	





## LINES OF RESEARCH IN THE CENTRE

NAME OF TECHNOLOGY (a) 1	
Technology description	Surface treatment and smart engineering
Objectives / Target	New or improve materials, devices and objects with intelligent properties
Thematic areas (name and description)	Photonics: energy and lighting. Printed sensors: signage detection Printed electronic: flexible electronic components Biofunctionalization: bioactive surface
Main projects and results	Dephotex: proof of concept of textile photovoltaic TAFf: proof of concept of organic plastic photovoltaic Rehabilita: cardio sensor monitoring PEP: printed electronic poster by publicity
Research group(s) in partnership	Centi, Centexbel CTAG, AIN Tecnalia UAB, CNM
Associated technologies	Printing techniques: screen and roll to roll process.

(a) **Technology** is what the technological centre is **commercializing**. PHOTOVOLTAIC, CRHOMIC MATERIALS, LUMINESCENT MATERIALS, MICROENCAPSULATION, NANOTECHNOLOGY, PLASMA, CONDUCTIVE TECHNOLOGY, 3 D FABRICS, TEXTRONICS, OTHER (specify which ones)

Name of research line (b) 1	PHOTONICS
Description	Research photonic devices
Impact and results	Flexible photovoltaic and lighting
Benefits and applications	Energy saving and new innovations. Building integration products, interior lighting automotive and construction.
Advantages introduced	Flexible, low cost production.
Links	<a href="http://www.dephotex.com">www.dephotex.com</a>

Name of research line 2	PRINTED SENSOR
Description	Development of vital signage of body.
Impact and results	Health prevention. Clothes prototypes with monitoring body signal.
Benefits and applications	Prevention and monitoring before physical exercise and practical sport, rehabilitation and some jobs.
Advantages introduced	Wearable and easy to use.
Links	



Name of research line 3	Printed electronic
Description	Development of electronic components like transistors, resistance, capacitors and other.
Impact and results	New flexible electronic.
Benefits and applications	New applications and wearable products.
Advantages introduced	Low cost production, customized solutions.
Links	

(b) **Line of research** is what the technological centre is **developing / researching**. ELECTRONIC TEXTILE FUSION, NEW FINISHING PLASMA, WATERPROOF TECHNOLOGY, TEXTILE EMERGING TECHNOLOGIES, MICROCAPSULES INCORPORATION, PHASE CHANGE, OTHER (specify which ones)

(Add as many lines of research and / or technologies as needed)

Name of research line 4	Smart Engineering
Description	Development smart objects.
Impact and results	New integration systems and novel objects.
Benefits and applications	New and competitive products. Smart Textile, automotive, sport, wellbeing.
Advantages introduced	Customized solutions
Links	



## BUSINESS SERVICES OF THE CENTRE (textile field or related to textiles)

NAME OR FIELD OF THE SERVICE 1	
Service description	Research projects
Service users	Public administration and companies
Associated technologies	Printing Technologies
Associated research lines	PHOT/Printed Electronics/Sensor

NAME OR FIELD OF THE SERVICE 2	
Service description	Scientific services
Service users	Companies
Associated technologies	Printing Technologies and integration systems
Associated research lines	PHOT/Printed Electronics/Sensor

NAME OR FIELD OF THE SERVICE 3	
Service description	Development and integration prototypes
Service users	Companies
Associated technologies	Printing Technologies and integration systems
Associated research lines	Smart Engineering

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NAME OR FIELD OF THE SERVICE 4	
Service description	Consulting for tax deduction for textile samples
Service users	Textile companies
Associated technologies	-
Associated research lines	-

(Add as many services and / or fields as needed)



NAME OR FIELD OF THE SERVICE 5	
Service description	Textile Technology Observatory
Service users	Textile companies
Associated technologies	-
Associated research lines	-

NAME OR FIELD OF THE SERVICE 6	
Service description	Consulting for implementation or maintenance of a quality management system ISO 9001:2008
Service users	Textile companies
Associated technologies	-
Associated research lines	-

NAME OR FIELD OF THE SERVICE 7	
Service description	Dynamization of textile cluster
Textile companies	Textile companies
Associated technologies	-
Associated research lines	-

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NAME OR FIELD OF THE SERVICE 8	
Service description	Development of Business Plan
Textile companies	Textile companies
Associated technologies	-
Associated research lines	-

NAME OR FIELD OF THE SERVICE 9	
Service description	Company Training
Textile companies	Textile companies
Associated technologies	-
Associated research lines	-