

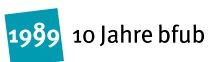
# SMART SPP

innovation through sustainable procurement

Public procurement working with the market to develop sustainable solutions

Supported by: **Intelligent Energy**  Europe

An initiative of:



View the latest results of the SMART SPP project at: [www.smart-spp.eu](http://www.smart-spp.eu)

The SMART SPP project (2008-2011) will:

- Carry out pilot procurement actions in Denmark, Portugal, Spain and the United Kingdom aimed at bringing innovative products on to the market, through early market engagement.
- Develop a step-by-step guide on driving sustainable innovation through public procurement.
- Organise a series of events across Europe to raise awareness and present best practise on procurement of sustainable innovation.



## Innovation through sustainable procurement

Mitigating and adapting to climate change will require the development of new and innovative low carbon emission solutions and technologies for lighting, vehicles, heating and cooling systems, and ICT equipment.

Public authorities purchase large volumes of these products and services, therefore public demand can play an important role in the development and mainstreaming of these technologies and help reduce the carbon footprint of the public authority.



## About SMART SPP

“SMART SPP – innovation through sustainable procurement” is a three year project aimed using the pre-procurement phase of public tendering to promote the introduction of innovative, low carbon emission technologies and solutions onto the European market.

The term pre-procurement refers to the timeframe prior to the tendering for a particular product or service. Activities undertaken in the pre-procurement phase can include structured discussions between suppliers and procurers and procuring research and development (R&D) services.

With such pre-procurement activities public authorities can meet their procurement needs by accessing the innovating potential of the market. For example, a public authority may identify the purchase of a new lighting system for its office buildings with substantially reduced energy consumption as a preferable measure to reach political targets on CO<sub>2</sub> reduction. Pre-procurement dialogues with technology suppliers and developers will help determine how the market can offer more innovative solutions to achieve this outcome than those currently available SMART SPP will explore this concept in practice by piloting procurement actions in Denmark, Portugal, Spain and the United Kingdom.

*Public procurement is the biggest single customer-side driver that could be harnessed to catalyse business innovation activity.* CBI Innovation Brief – Innovation and public procurement. A new approach to stimulating innovation. (October 2006)

## SMART SPP pilot actions and outcomes

SMART SPP will develop and pilot a standard approach to encourage emerging technologies and solutions through pre-procurement. The approach will include methods for managing the legal and financial risks in pre-procurement, assessing the financial benefits (life-cycle costing), and calculating and communicating the CO<sub>2</sub>- equivalent savings.

The approach will be developed in close co-operation with a number of public authority partners and companies to ensure the outcomes of the project are as useful as possible. The results will be used to develop guidance and tools.

Furthermore, the project will enhance networking and collaboration among public purchasers, developers and suppliers. Awareness raising seminars and study visits will be also be organised and an online platform on innovation and sustainable procurement, available on: [www.smart-spp.eu](http://www.smart-spp.eu)

*Communicating long-term plans to the market, to both existing and potential suppliers, gives the market time to react and develop solutions to the defined need.*

(Pro-INNO Europe paper no.1)

## SMART SPP pilot technology sectors

The project will specifically focus on the following:

- Lighting systems (e.g. LED lighting, organic-LED lighting, lighting tubes),
- Highly energy efficient electric vehicles (passenger and duty cars), and
- Heating/cooling systems using renewable energy sources.

## Examples of emerging technologies

Light emitting diodes (LEDs)

LEDs are a lighting technology that can reduce energy consumption by 50-90%. There are potential applications for lighting in buildings and street lighting. The next generation of LED is expected to widen the range of applications even further and provide considerably more light intensity per watt.

Electric vehicles

Electric vehicles operate on an electric motor and achieve ranges of up to 400km with a single load, charged with electricity from renewable energy sources leading to as low as 4g CO<sub>2</sub>/100km. Technology is developing rapidly with a focus on lithium-ion batteries and stronger electric engines, which can be recharged with electricity from the grid or from "solar filling stations".

Heating and cooling

Innovative heating and cooling options include renewable energy systems (RES) such as those based on wood pellets or solar energy. R&D into RES cooling appliances is a growth area as demand for energy for cooling, especially in certain Southern European regions, is increasing rapidly.



## Partners

SMART SPP involves eleven partners with extensive experience in the areas of sustainability, public procurement and sustainable innovation.

ICLEI - Local Governments for Sustainability

[www.iclei-europe.org](http://www.iclei-europe.org)  
[www.procuraplus.org](http://www.procuraplus.org)

Ecoinstitut Barcelona  
[www.ecoinstitut.es](http://www.ecoinstitut.es)

Global to Local  
[www.globaltolocal.com](http://www.globaltolocal.com)

National Institute for Engineering, Technology and Innovation  
[www.ineti.pt](http://www.ineti.pt)

Öko-Institut  
[www.oeko.de](http://www.oeko.de)

German Federal Association of Eco-Counselling  
[www.umweltberatung.org](http://www.umweltberatung.org)

Barcelona City Council  
[www.bcn.cat](http://www.bcn.cat)

Cascais Energy Agency  
[www.cascaisenergia.org](http://www.cascaisenergia.org)

Eastern Shires Purchasing Organisation  
[www.espo.org](http://www.espo.org)

London Borough of Bromley  
[www.bromley.gov.uk](http://www.bromley.gov.uk)

Municipality of Kolding  
[www.kolding.dk](http://www.kolding.dk)

## Get involved

### Become a participating public authority

Public authorities may participate in the implementation phase of the pilot at their own cost – participating in the pilot involves implementing the standard process for early market engagement, driving the adoption of the innovations developed through the project and ultimately incorporating its recommendations in at least one tender.

Benefits of participating include:

- The opportunity to purchase emerging technologies that deliver improvements in performance over existing technologies, and
- Access to assistance and advice on using a pre-procurement process addressing your needs in order to increase efficiency in current procurement practices.

### Become a participating supplier

Suppliers and developers of emerging technologies in the products mentioned previously are welcome to participate in SMART SPP. Contact us to find out more.

Benefits of participating include:

- Boost your R&D activities on low emission technologies solutions, and
- Increase your presence and visibility at the forefront of sustainable innovations throughout Europe.

## Further information

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