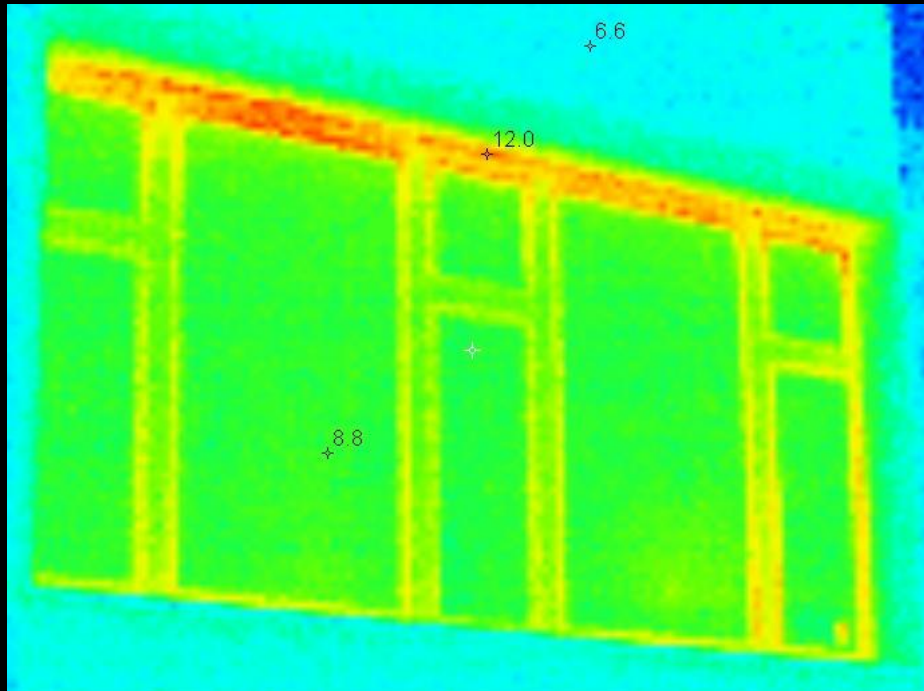




Task Force on Energy Efficiency





\$100,000



The S 400 hybrid has a 279-horsepower 3.5 liter V6 gas engine coupled with a small electric motor driven by a lithium ion battery.



The automaker claims CO₂ emissions of 190 grams per kilometer, placing it ahead of the Lexus LS 600h hybrid's 21 mpg and 219 g/km. The Prius, by the way, emits 104 g/km.



European Union Objectives for 2020:

- 20% cut in CO₂ emissions;
- 20% reduction in energy consumption;
- 20% of consumed energy to be from renewable energy

(Climate change and Energy Package, presented by the European Commission on 23 January 2008)

EU: EE in Action

- Denmark has decided that with effect from 2015, no new building should require energy for heating;
- Germany has been constructing “passive” buildings which use 6 to 7 times less energy than stipulated in current regulations with an additional investment cost of only 5 to 10%;
- Other buildings produce more energy than they consume, their roofs comprising solar panels and photovoltaic arrays in place of tiles.

First Energy Efficiency Task Force Meeting Prishtina, 15-16 February 2008



First Energy Efficiency Task Force Meeting

Energy challenges in South East Europe

1. Current Legal framework is incomplete and partially contradictory;
2. Existing laws are not being implemented and many by-laws are missing;
3. Local energy strategies or plans are missing; there is no baseline data on current energy consumption;
4. Municipal district heating companies are overstaffed and undercapitalized;
5. Energy prices are normally subsidized;
6. Collection rates are unsatisfactory;
7. Air pollution from energy production is significantly above EU-standards;
8. Use of Renewable Energies is minimal;
9. Public awareness is low, specifically concerning the economic and environmental dimensions of energy efficiency;
10. Scientific capacity and expertise, which could be addressing the above deficits, is missing – especially regarding the legal and economic dimensions.

First Energy Efficiency Task Force Meeting

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First Energy Efficiency Task Force Meeting

Task Force Priorities

- Legislation
- Data (situation, cost effectiveness, case studies)
- Strategies (national and local)
 - Involvement of local governments
 - Lack of municipal plans
- Public awareness
- Equipment
- Funding

Task Force Initiatives

Raising awareness about energy efficiency

- *Goals:* To provide qualitative and quantitative information on possible energy savings in the local authorities
- *Activities:*
 - Collect available data, laws and concept papers on energy consumption; available case studies; standards;
 - Develop template and questionnaire for data collection;
 - Develop brochures on energy efficiency targeted for specific target groups (schools, municipal buildings, households, small and medium enterprises);
 - Translation;
 - Media activities.
- *Outputs:*
 - Template and questionnaire on how to collect data on energy efficiency;
 - Brochures for all target groups;
 - Press and media coverage.

Task Force Initiatives

Energy efficiency standards / awards

- *Goals:* Encourage municipalities comply with higher energy efficiency standards
- *Activities:*
 - Collect information on EU standards;
 - Define the areas (street lightning, electricity etc.);
 - Award application ??
 - Selection process
- Deliver awards (general assembly)
- *Outputs:*
 - 2008 – Develop standards, January 2009 – Announce?

Task Force Initiatives

Developing municipal plans on energy efficiency

- *Goals:* Encourage municipalities to develop municipal energy efficiency plans
- *Activities:*
 - Deliver guidelines on data collection of energy potentials and use of renewable energy;
 - Develop template and guidelines for developing municipal plans on energy efficiency;
- Workshop – presentation;
- Develop arguments why municipalities need energy efficiency plans
- *Outputs:*
 - Package of instructions “How-to” for municipalities

Task Force Initiatives

Case studies on energy efficiency

- *Goals:* Collecting data on introduction of energy efficiency technologies and define the methodology on these basis. To explore new possibilities.
- *Activities:*
 - Examination of various case studies from South East Europe and outside;
 - Elaboration of the guidelines.
- *Outputs:*
 - Provided recommendations;
 - Dissemination through NALAS and member associations;
 - Raising awareness and changing mentality
- *Timeline:* 2008-2009.

European Climate Conference

Rovigo, 2-4 April 2008

- *“Small and medium sized communities are called on to vigorously engage in climate protection, and build on Local Renewables best practice. It is time for radical change.”*

This is the main message from the European Climate Conference “Climate protection and Renewable Energy: Medium and Small Communities facing the challenge”

Towards Europe's sustainable energy future...

Local authorities are ready to act!

- Almost 200 experts, energy managers, mayors and local government employees gathered in Cork early April to discuss serious challenges on our small planet - greenhouse gas emissions, energy efficiency and use of renewable in overall EU energy consumption. This was the 13th annual Rendezvous organized by Energie-Cities, and the Cork County Council. In addition to the conference, a final conference of BELIEF and a BISE coordinators meeting also took place to present on-going activities and develop new energy projects.
- *BELIEF: Building in Europe Local Intelligent Energy Forums*
- *BISE : Better Integration for Sustainable Energy*