



Expertise offer

Date (25 Jan 2010)

- (*) **Description of the expertise offered (up to 1000 characters)**

Elma Kurtalj Ltd. is an engineering company with highly skilled engineers in R&D department, specialised in ICT infrastructure and Buildings management systems (BMS) based on open protocols (Lonworks, Modbus, Bacnet). We are able to deliver complete electrical and intelligent building infrastructure from basic design to total deployment, fully based on open protocol system paradigm.

Our BMS software platform “BrightCore” which is distributed software system with primary goal to successfully mediate between control networks and the desired uses of them.

In essence BrightCore is servicing oriented IP based automation middleware which open possibility for ease control network usage through established standard interfaces with a goal to enable large multi building system optimization in energy consumption, technical administration and fine user tweaking. Furthermore, has open interface for vertical connectivity to facility maintenance software infrastructure

Elma company offers Energy efficiency consultancy services such as energy auditing, thermography inspection, assessment of implementation alternative renewable energy sources (photovoltaic system, solar hot water, heat pump technology, biomass and geothermal energy) in buildings.

Our service starts from conducting a detailed energy system analyse in different sectors such as industries, commercial and residential buildings to provide ICT and BMS solution for improving and more efficient management of building infrastructure based on our Smart City Framework concept.

- **Keywords describing the expertise offered (up to 10 words)**

Building management system, ICT, photovoltaic & solar systems, geothermal, energy efficiency

- (*) **Relevant topic/s in work programme (up to 3 topics)**

ENERGY.2010.7.3-1: Energy storage systems for power distribution networks

ENERGY.2010 4.5-1: Support to the coordination of stakeholders' activities in Renewables for Heating and Cooling

ENERGY.2010.10.2-1: Future Emerging Technologies for Energy Applications (FET)

- **Former participation in FP or other international cooperation projects**

None

Organisation information

Organisation and country: Elma Kurtalj Ltd in Croatia
Type of organisation: <input type="checkbox"/> SME
Former participation in FP European projects? <input type="checkbox"/> No
Web address: www.elma.hr
Description of the organisation: ELMA Kurtalj Ltd. through its activities, offers project deployment, consulting, and comprehensive manufacturing service for all instrument/electrical/communication systems including; Hardware electric, IP communication infrastructure and Control infrastructure as: control panels, mimics, test panels, motor control, switchgear, hazardous area equipment, PLC/DDC and HMI based control systems. We deliver turnkey systems and services in the field of building automation known today as "intelligent building", and communication infrastructure. We cover all aspects of BA Security, CCTV, Access control, Lighting, HVAC, Energy management and network infrastructure (structural cabling, L2 and L3).

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(*) -Mandatory