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Is interested in the participation in a project that will be prepared and submitted in the following Area of the Thematic Priority 6 Environment from the Specific Work Programme Cooperation:

Specific Programme	Cooperation
Thematic Priority	6 - ENVIRONMENT (INCLUDING CLIMATE CHANGE)
Activity (number & title from the Work Programme)	6.3 Environmental technologies
Sub-priority (number & title from the Work Programme)	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment
Area (number & title from the Work Programme)	6.3.1.1 Water
Call (number & title from the Work Programme)	Env.2007.3.1.1.1 Innovative technologies and services for sustainable water use in industries

Short description of the organization expertise relevant to the topic (e.g. staff, areas of expertise and research)

- 1 Implementation of principles of the European Directive 96/61/EC into surface treatment industry
2. Analysis, selection and implementation of Best Available Techniques in surface treatment installations
3. Elaboration and implementation of Cleaner Production technologies into plating shops
4. Pollution control in surface treatment installations
5. Water management in surface treatment installations
6. Material recovery in surface treatment installations
7. Minimization of energy consumption in surface treatment installations
8. Application of REACH principles into surface treatment industry
9. Training of personnel in surface treatment industry

Proposed contribution to the selected Sub-Priority:

Elaboration and/or implementation of:

- 1) technological projects of new plating shops with special consideration of water management, effective and economic rinsing techniques, material recovery and re-use, energy conservation and effluent treatment techniques
- 2) pollution control technology for plating shops with number of process-integrated and end-of-pipe techniques to minimize emissions to the waters and to the air
- 3) modernization and rebuilding projects of plating shops with application of Cleaner Production methods and Best Available Techniques
- 4) development and application of testing methodologies of surface treatment pilot plants
- 5) advising and expert opinions of plating plants, applied technologies, water managements, pollution control systems and related issues
- 6) chemical analysis of plating baths and laboratory testing of coatings
- 7) evaluation of corrosion resistance and mechanical properties of coatings, materials and protective systems
- 8) certification of professional competency of personnel of surface treatment industry

Participation in relevant projects (e.g. *National Projects, FP5, FP6, INTERREG, LIFE, etc.; acronym & title*):

International project in the frame of Polish-Danish bilateral cooperation - 0160/Danmark -"Cleaner Technology and Eco-Management transfer programme for the electro-mechanical industry in Poland" (1999-2001)

Relevant Publications (*Authors, title, editor, year*):

1. Kieszkowski M., Nakonieczny A. – "Toward Cleaner Production technologies in surface treatment of metals"; Waste Management and the Environment III; Wit Trans.on Ecology and Environment, vol.92, p.57-64; Wessex Institute of Technology, Southampton, UK; Publ. Wit Press, 2006
2. Kieszkowski M. – "Innovations in surface treatment of metals in the light of IPPC Directive"; Cleaner Production & Eco-Management J.; Publ. Polish CP Movement Society, Katowice, PL; nr 3(38), p.60-67, 2006
3. Kieszkowski M. – "Selected problems of Best Available Techniques in surface treatment of metals"; Cleaner Production & Eco-Management J.; Publ. Polish CP Movement Society, Katowice, PL; nr 2(37), p.15-21, 2006
4. Kieszkowski M., Rubel E. – „Application of BAT in surface treatment of metals”; Inżynieria powierzchni/Surface Engineering; Publ.Inst.of Precision Mechanics, Warsaw, PL; nr 4/2005, p.47-53, 2005
5. Kieszkowski M. – "Some results of Cleaner Production application at plating shops"; Inżynieria powierzchni/Surface Engineering; Publ.Inst.of Precision Mechanics, Warsaw, PL; nr 3/2002, p.35-40, 2002

Other relevant information: