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PARTNER SEARCH

Call Information	
Call	EUREKA Individual Project
Topic	Information technology

Target Partner(s)	
Type of organization	SME
Role in the project	We are looking for a partner having experience in applications involving data collection, intelligence gathering, scheduling, and production flow optimization in small and medium engineering companies.
Preferred countries	EUREKA member states (http://www.eurekanetwork.org/in-your-country)
Keywords	Data mining, quality management, production management, engineering production, production process, production planning, small and medium companies.

Project Information	
Project title	OPMAPRO - Development of Sophisticated Data Gathering and Data Mining for Purpose of Quality Management and Production Management in Small and Medium Engineering Company
Abstract of the project	The aim of the project is the development of an affordable system for quality management and production management for small and medium engineering companies. The system should provide reliable, precise and up to date information about their production processes and enable qualified decision making, production planning and optimization.
Further information	<p>There are variety of systems for data collection and data mining for the purpose of quality management and production management in large companies that are usually involved in mass production. Our objective is to develop similar system for small and medium companies particularly focused on low scale engineering production. We would like to prove by our project that relatively affordable system could be implemented and produce high quality data and provide up to date information about situation on the shop floor. Obviously cost of the system is a key element but on the other hand quality of results will not be compromised.</p> <p>We believe that the need for such project is pressing because small and medium companies are very often suppliers of the big ones that require very high standards of quality. Besides that, in today's engineering production there is very slim margin of affordable error. Profitable product could slip very easily into unprofitable category because of unacceptable number of rejects.</p>

Very often managers don't have reliable, precise and up to date information about production process. Especially in small and medium companies corrective measures must be applied every day. Decision maker is a manager, very often making decision on very hazy set of information. We are convinced that modern hardware and software enable step by step monitoring of production process and data coming out of such system is rock solid base for qualified decision making.

On the top of it, obtained data could be used in the future for production process simulation and consequently for production planning and optimization.

Very often, customers require product certificate. Our data system will be able to produce such certificate and in case of any defect to track back the result of the deviation from a standard.

Our team consisting from personnel having experience in production, sensors system, IT and quality management is a guarantor of the success.

We expect tremendous improvement of our competitiveness by developing and implementing such data and quality management system. We expect shorter delivery time, less rejects, better quality of our products and also less energy and material consumption. Energy and material in ever increasing pricing environment are not marginal items in our cost of production.

Contact Details

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