



Company Profile: iSagacity was founded in 2001 as a provider of engineering software and consulting services to the process industries. The company provides best of breed process data mining and analysis software for the global process industries. iSagacity helps increase productivity and operating efficiency in its customer's facilities thereby reducing O&M costs while also reducing energy usage.

iSagacity operates at the intersection of the Clean Energy and Machine 2 Machine (M2M) sectors. In industry, the benefit of monitoring processes and assets to improve efficiencies, reduce maintenance costs, and to avoid un-planned outages and equipment failures is widely accepted. For most "wired" plants, the problem is no longer collecting the data, but making sense of it in a time frame that supports decision making. iSagacity solves this problem with advanced data mining and analysis software called Remote Manager™. Remote Manager was introduced in 2003 and has been used in several applications. A major new product which incorporates patented technology from NASA is being developed and commercialized by the company. Process Data Miner™ is the focus of an aggressive growth plan for iSagacity.

Market Opportunity: The market for our technology includes 335,000 process or manufacturing plants world-wide. Most plants today employ some degree of automation, and the adoption of advanced data analysis software allows them to get the most out of their automation investment. The focus of our initial marketing plan for the new technology will be the power and oil refining industries. While there is limited growth in the actual number of plants, the growth of networked sensors and monitored equipment in existing plants is expected to be very high due to the introduction of M2M technology. The global power market alone is valued at over \$2B. Several follow on industrial markets such as; chemical process plants and aviation are of the same magnitude in size.

Management: Peter Millett is the CEO and a co-founder of iSagacity. He is a veteran of the process industry having held several engineering and management positions over the past 25 years. He holds a PhD in Chemical Engineering and a Graduate Diploma in Entrepreneurial Management. Prior to forming iSagacity, Millett built a software business from the ground up for the electric utility industry inside EPRI. Joe Bates is a co-founder and is Vice President of Engineering with 24 years of experience. Bates previously worked with Millett at EPRI and prior to this held engineering positions at Exelon Corporation. He holds a B.S. in Chemical Engineering. Murad Akhrarov is the Manager of Software and has over 30 years of experience in both scientific and programming positions. He holds a PhD in Physics. iSagacity will add a Vice President of Sales and Marketing in late 2007.

Key Technology: Our Process Data Miner product is a powerful new way of detecting trends in plant data that are early warning signs of process or equipment problems. Left un-checked, efficiency losses, unplanned shutdowns and potential safety and regulatory issues will occur. Using a patented artificial intelligence algorithm, Process Data Miner automatically scans the data in real time and organizes it into a knowledge base consisting of "data signatures" or patterns that characterize operating behavior of the system. Process Data Miner automatically learns the patterns in the data and organizes them for easy knowledge discovery.

Until now there was no easy way of capturing the patterns in data that can be used as an early indicator of equipment or process problems. Process Data Miner not only learns these patterns in the data, but also recognizes them the next time they occur so that corrective actions can be taken before the problem escalates. Plant personnel are alerted to time sensitive issues through e-mail and pagers. Statistics including; the number of times the pattern has been observed, the last occurrence and the "closeness" of the current condition to other patterns stored in a database can be viewed on the Remote Manager web site.

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