

Company Profile

Pattern Discovery Technologies Inc. is a pioneer in the field of data mining and predictive analytics. Founded in 1997 as a spin-off from the world renowned Pattern Analysis and Machine Intelligence (PAMI) Lab at the University of Waterloo in Ontario, Canada. Pattern Discovery, headquartered in Waterloo continues to push the envelope in developing solutions that tackle the most challenging data analysis problems.

Pattern Discovery Technologies offers a unique platform for gaining unprecedented insight into operations that involve complex interactions between multiple process variables. Through the use of patented algorithmic and computational methods, the analysis effectively and efficiently hones in on significant factors that characterize operations and drives performance.

Whether it is real time data collected from distributed control systems or sets of disparate data used in various functional areas of the operation, PDT's analysis methods can be integrated to help uncover meaningful insight that leads to action.



Discover*e is the analysis engine that drives many of Pattern Discovery's *Insight* applications. It enables clients to sift through volumes of data and discover those hidden "gems" of opportunity. The ability to quantify process relationships and quickly react to factors which influence production can lead to significant performance breakthroughs. Uncovering these "Patterns That Matter™" is the cornerstone for any continuous improvement program. The ability to confidently predict results is what *Discover*e* delivers.

Pattern Discovery's *Production Intelligence* framework provides a complete platform that facilitates sophisticated analysis and foresight of complex industrial processes such as bitumen extraction and petroleum refining operations. The framework is currently used by leading companies in oil sands processing to characterize their operations and predict performance outputs.

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