

## Canadian Innovation Award for New Technology

Winner: The Pressure Pipe Inspection Company Ltd.



*Photo Left to right: Hon. Perrin Beatty, President & CEO, Canadian Manufacturers & Exporters, Xiangjie Kong, Technology Manager, The Pressure Pipe Inspection Company, Brian Mergelas, President & CEO, The Pressure Pipe Inspection Company, (Award Partner Rep.) Dr. Tony Rahilly, Director General, National Research Council - Industrial Research Assistance Program (NRC/IRAP).*

### **The Pressure Pipe Inspection Company Ltd.**

Pipecrawler is the first unmanned water pipeline inspection system. Developed by the Pressure Pipe Inspection Company Ltd., of Mississauga, Ontario, this new technology is able to go where people can't and inspect pipes much smaller than any previously developed inspection system.

Pipecrawler works in the vast network of pipes that lie beneath our urban landscape. Water mains distribute water to central and far-reaching parts of a

community. The maintenance and protection of these vital pipelines is an ongoing task. Replacement can be expensive.

But Pipecrawler uses a patented technique called “Remote field eddy current/transformer coupling” developed by Dr. David Atherton of Queen’s University to maneuver into tight spots, detect problem areas and pinpoint them precisely. Targeted repairs can be made without replacing entire systems, reducing the cost. It does so without expensive and time-consuming dewatering, reducing the cost even more.

For improving the efficiency of our urban water supplies by developing a new technology that reduces cost through flexibility and precision, The Pressure Pipe Inspection Company Ltd. received the award for **New Technology** at the Canadian Innovation Awards.