

Canada

## Strategic partnerships

### Solarchem Environmental Systems

40 West Wilmot Street  
Richmond Hill, Ontario  
L4B 1H8

Telephone: (416) 764-9666  
Facsimile: (416) 764-9669

Dr. R.D. Samuel Stevens, President  
P.W. Smith, Vice President, Marketing and Sales

### Major products/services

- **RAYOX second generation enhanced oxidation water decontamination systems**

Manufacture, installation and operation of RAYOX second generation enhanced oxidation water decontamination systems.

### Desired alliance with other firms

Qualified applications/contacts for RAYOX with end users, or sales to such a firm if they are in the remediation business (e.g. clean-up of groundwater or the provision of water remediation with a transportable facility). Territoriality or field of use limited licences are possible as well as joint ventures.

### Company history

Brolor Investments Ltd.  
(Holding company of the Lorrigan family of Ontario)  
Ontario Development Corp  
Domtar Inc.  
Management

- Sales: Less than \$5 million
- R&D expenditure: \$500 000
- Employees: 25  
R&D, manufacturing and marketing
- Current markets operating in: Canada, United States

### Technological expertise

Solarchem has developed second generation enhanced oxidation processes for the remediation of contaminated water, air and soil. The soil remediation process could also be used for on-site destruction of high/strength PCBs. The water clean-up process (RAYOX) is being used to clean up groundwater and process wastewater containing a wide range of contaminants such as explosive compounds (TNT, NG, EGDN, RDX, etc.), chlorinated hydrocarbons (TCE, PCE, DCE, TCA, DCA, CC14, PCBs); Phenols (resorcinol, creosol, TCP, PCP); gasoline (B,E,T,X, TPH); Nitrosamines (DMNA, MMNA); Cyanides (fixed and free); PAH, pesticides.

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