

THORBURN EQUIPMENT INC.
Pointe Claire, Québec

Flexible Piping Specialist

This Pointe Claire company is to flexible piping as Porsche is to automobiles: a model of precision and state-of-the-art technology. Operating under a strategy of global presence in niche markets, the business is structured to consistently meet and exceed customers' expectations of quality and value.

Robert Thorburn speaks with great pride of a typical example of "Team Thorburn" in action which, during December 1998 and January 1999, designed and built in record time, eight custom Loopseal expansion joints measuring 3m x 2m (four tons) each. To meet an emergency shutdown at a fossil fuel plant in Poland, these joints, bearing a stamp of the Canadian flag with "Made in Canada" in big bold red letters, were flown to Frankfurt, then trucked across Germany to arrive J-I-T (Just-In-Time).

Such success is only achieved through the consistent commitment of the 70 Thorburn employees whose combined competencies build value and ensure customers' total satisfaction. This accumulated expertise has allowed Thorburn to qualify for the Qinshan CANDU project in China. The engineering, manufacturing and quality standards required in the nuclear industry are such that only the best companies can qualify; Thorburn is one of them.



ZIRCATEC PRECISION INDUSTRIES
Port Hope, Ontario

Environment-Friendly Exports

Zircatec is the world's largest producer of CANDU fuel for Canada's marquee nuclear export, the CANDU reactor. To date Zircatec has produced 700,000 fuel bundles for 28 reactors world-wide. These fuel bundles have produced as much electricity as 450 million tonnes of coal and avoided the production of more than 500,000,000 tonnes of carbon dioxide. A good deal for the global environment! And a good deal for Zircatec's 250 workers, too!

The company produces about \$50 million per year in products and services of which more than 20 per cent is exported.

Colin Carrie is an Industrial Mechanic Millwright who has worked at Zircatec since 1976. After a quarter of a century Colin says working at Zircatec is as interesting now as it was when he started. "The company I work for provides an excellent working environment with the utmost respect for health and safety issues and in general the best interests of the employees. I'm confident that, given time, people will begin to understand all the good things that have come from this industry and recognize its potential has not yet been achieved."

For more information...

- Atomic Energy Control Board198.103.98.211
- Canadian Nuclear Associationwww.cna.ca
- Canadian Nuclear Societywww.cns-snc.ca
- Canadian Nuclear Workers Council....hsafety@pwu.ca
- Atomic Energy of Canada Limited.....www.aec.ca
- International Atomic Energy Agency..www.iaea.or.at
- MDS Nordion.....www.mds.nordion.com
- Natural Resources Canada.....www.nrcan.gc.ca
- Organization of CANDU Industries ...Fax (416) 369-0515

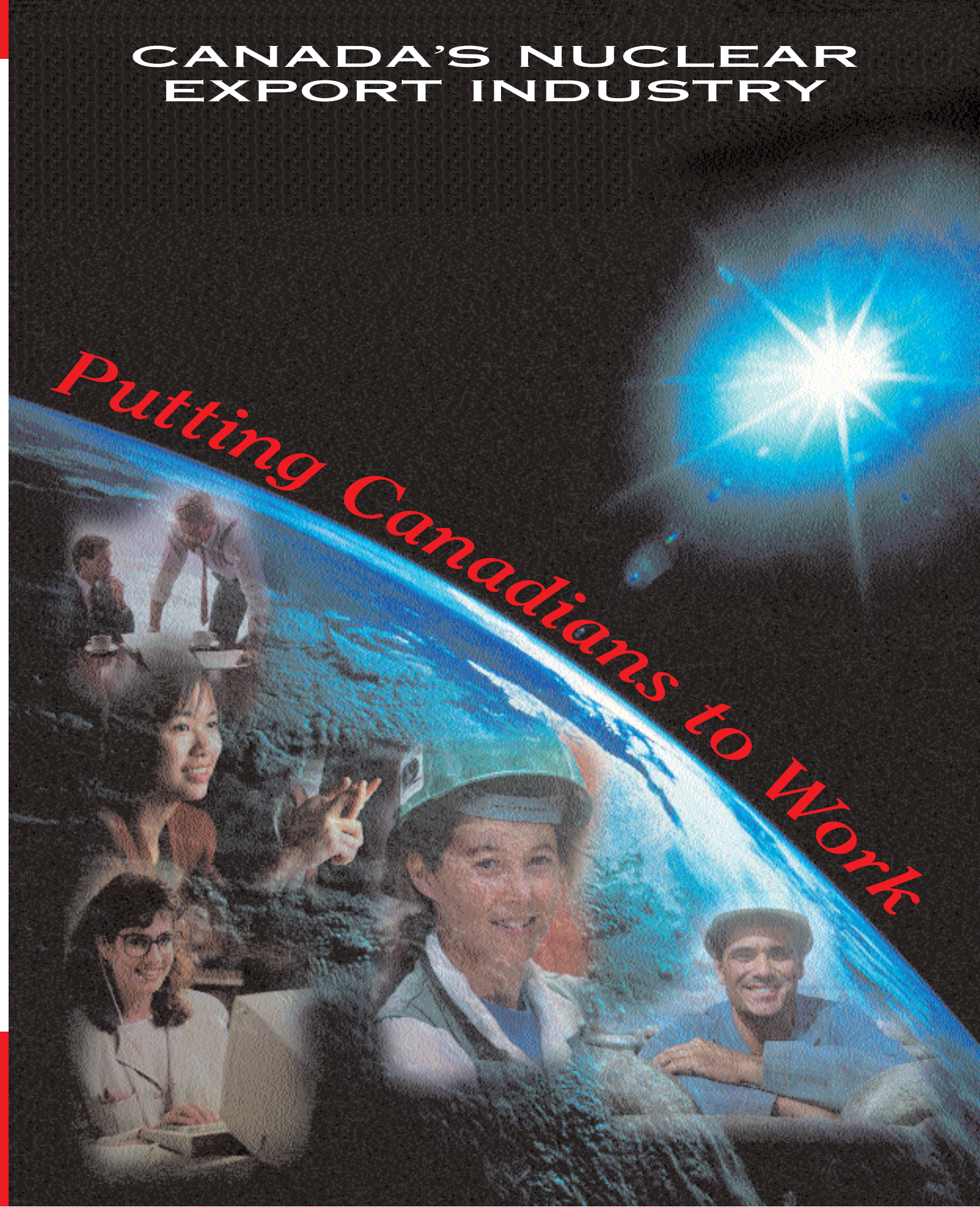


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CANADA'S NUCLEAR EXPORT INDUSTRY

Putting Canadians to Work





Putting Canadians to Work



ATOMIC ENERGY OF CANADA LIMITED
Mississauga, Ontario

Teamwork and Leadership

Nuclear power exports flow from the success of a unique Canadian Crown corporation, Atomic Energy of Canada Limited (AECL) and its CANDU® nuclear power design. CANDU has been recognized by the Engineering Centennial Board, as one of the ten most important Canadian scientific and engineering achievements of the 20th century.

Although AECL plays the lead role in CANDU product design, 80 per cent of the CANDU project work is contracted to private sector firms throughout Canada. An AECL sale supports businesses like Sulzer Bingham Pumps in Burnaby, ITT Barton Instrument in Calgary, Prairie Machine in Saskatoon, RPC in Fredericton; it's supporting workers, their families and their communities.

Clean-Air Energy

AECL and CANDU have made a remarkable contribution to the environment. Canada can be proud that it is exporting a clean, safe energy technology, designed and proven in Canada.

Each year CANDU plants in Canada avoid emissions of about one hundred million tonnes of carbon dioxide into the atmosphere by not burning coal, oil or natural gas. Without CANDU in Canada, greenhouse gas emissions from electricity production would double, making it impossible to achieve the target Canada set for itself at the recent Kyoto Environmental Summit.

A Showcase of Canadian Capability

A major capital export such as the AECL CANDU sale to China allows Canadian high-tech companies to showcase their capabilities on world markets, and with this, the possibility of obtaining further export orders, in nuclear and other value-added fields.

Canada's Prosperity

The Canadian Nuclear Industry:

- Contributes \$4.5 billion to Canada's GDP annually
- Maintains 30,000 high quality jobs in over 150 Canadian companies
- Adds \$700 million in federal income and sales taxes annually
- Produces a 'net' export industry - recently approaching \$1 billion per year
- Creates spin-off technologies to the robotics, aerospace and telecommunications and engineering industries
- Is a world leader in the production and supply of medical, industrial and food processing isotopes
- Is the world's leading supplier of uranium, for zero-emission electricity production

Jobs and Business for Canadians

There are 428 nuclear units operating in the world. The recent sale by AECL of two CANDU reactors to China brings immediate business and employment opportunities to Canada. Future CANDU sales in the Asia-Pacific region and south-eastern Europe are based on growth in those regions which have 44 units under construction and more in the planning stages.

The China CANDU project alone represents direct business opportunities for over 150 Canadian companies in a wide range of equipment and component manufacturing. Each of these companies in turn employs the products and services of dozens of other suppliers, increasing the involvement of Canadian business to several thousand firms. In employment terms, this China CANDU project translates into about 27,000 person-years of work for Canadians over the seven-year life of the construction project.



ALSTOM CANADA
Tracy, Québec

The Heart of the Matter

Although a giant in the energy generation, transportation, marine and other industries, Alstom in Canada is probably not known to many people. The company employs over 1,500 Canadians and is located at Tracy, Québec and Montréal. Its engineers and technicians are designing, building and maintaining traditional power plants, as well as nuclear power plants, on five continents.

"We are building the Qinshan reactor, including the calandria assembly, the end shields and the 380 fuel channels which constitute the core of the reactor," comments Jim MacLean, the nuclear products Director for the Tracy plant. "We are literally at the heart of this important project," concludes Jim, an unconditional defender of nuclear power. Alstom is no stranger to China with two other projects under its belt, the Daya Bay and Ling Ao projects.



VELAN INC.
Montréal, Québec

Quality Valves

As one of the world's leading manufacturers of industrial steel valves, Montréal-based Velan Inc has close to 1,000 employees in North America and some 400 in six other countries. Its high standards of quality made it a reference in the nuclear industry as early as 1956 when it provided 8,500 valves to the Oak Ridge nuclear reprocessing plant in the US. The importance of quality in the global market is underlined by Karel Velan, CEO; "Twenty years ago the main emphasis for top quality was in the nuclear field and many other users considered valves as throw-away items or simple commodities such as fittings and pipes."

The Qinshan project in China, is one of Velan's many customers in an industry which has quality as its paramount concern. With the growth of developing countries' economies and the need to limit greenhouse gases, chances are that Velan will spend another successful half-century providing quality valves for new nuclear power plants with the inventive drive that gave it birth.



CAMECO CORPORATION
Saskatoon, Saskatchewan

Acts Locally, Sells Globally

In recent years, companies like Saskatoon-based Cameco Corporation have encouraged northern businesses to become involved in the uranium mining industry through a "buy locally" policy. New northern-based companies, which provide services ranging from catering to transportation, are flourishing because of contracts with Cameco and other companies. In addition to the hundreds of northerners working in the mine service sector, more than 1,000 people work directly for mining companies. One of the keys to these new jobs is training. Cameco participates with other companies and government agencies in training initiatives to maximize northern employment. These jobs and business opportunities are possible because nuclear power plants around the world use uranium from Saskatchewan to generate electricity.

Cameco, the world's largest, low-cost uranium producer, exports about 85 per cent of its uranium production to utility customers around the globe. The company owns and operates the world's two largest high-grade uranium operations at Key Lake and Rabbit Lake in Saskatchewan and Canada's only uranium processing facilities at Blind River and Port Hope, Ontario. Cameco employs more than 1,000 people at its Canadian operations.

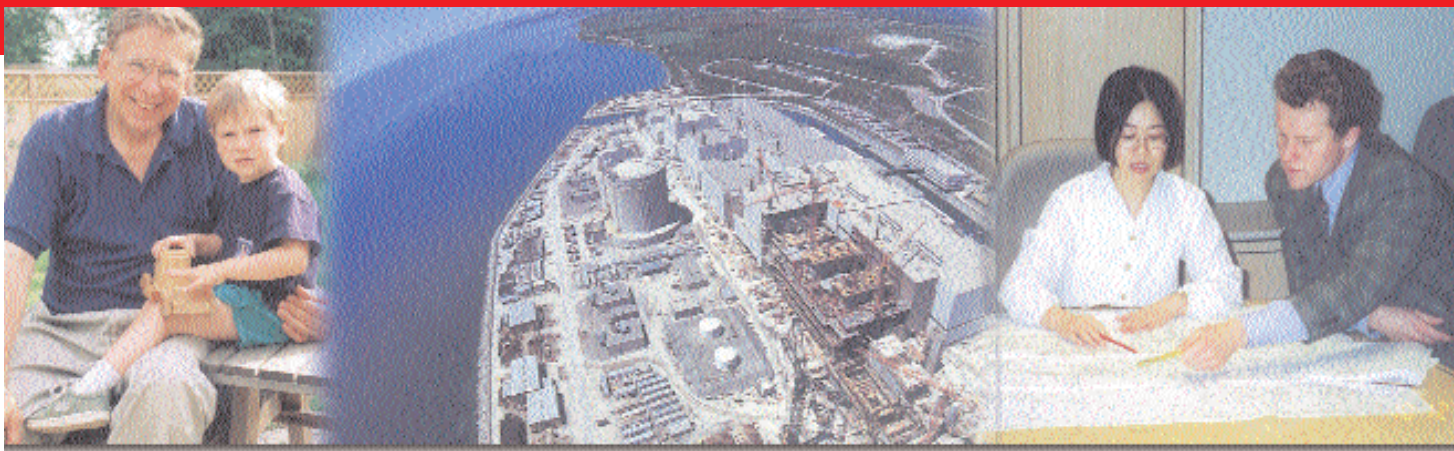


LEFEBVRE FRÈRES LTÉE
Montréal, Québec

Quality Since 1914

"If the engineer can imagine it, we can make it," comments Denis Gascon, sales director at Lefebvre Frères in Montréal. From a modest workshop established in 1914, Lefebvre Frères has become a giant machine shop of 200 employees which produces custom made machines. For this company, the nuclear industry is just another way of demonstrating that it can exceed the highest quality criteria. For a project like Qinshan in China, the company is furnishing specialized tools for the reactor mechanisms, equipment for unloading spent fuel, and transportation modules for certain pieces of equipment. One could say there exists a new Chinese word for quality: "Lefebvre Frères."





ADTECH MANUFACTURING LIMITED
Fredericton, New Brunswick

Thanks Cosmos

In 1989 Cosmos Voutsinos returned to Canada to work and had a decision to make. "Did I have to leave the Maritimes to find satisfying technical work?" He decided to stay in New Brunswick and to create his own company Adtech Manufacturing Ltd. in Fredericton, which produces equipment which operates in extreme temperatures such as those found inside nuclear reactors or in outer space. Adtech got its start producing high technology control equipment for the Korean Wolsong 2, 3, and 4 reactors and for the Qinshan 1 and 2 reactors in China. Today, in addition to nuclear, Adtech's customers now include the aerospace and defense industries as well as the semiconductor manufacturing industry. More than 90 per cent of Adtec's production is exported.

Cosmos not only created his own job. He created 22 high-technology jobs in a region of Canada struggling with high unemployment. Canada thanks you, Cosmos!



THE CANADIAN NUCLEAR WORKERS COUNCIL
Toronto, Ontario

Workers Aware of Benefits

The Canadian Nuclear Workers Council is an organization of workers represented by unions or other employee groups working in various areas of the nuclear industry, including mining, research, manufacturing, and electric power generation. The CNWC represents over 20,000 Canadians directly employed by the industry. David Shier is President of the Council. "I'm very proud of the work that our members do and have done to support Canada's nuclear exports and its balance of trade. Our people make that happen and that in turn supports other Canadians in their jobs." However, Dave is concerned about public perceptions about the safety of nuclear power. "As people working daily in uranium mines, refineries, research facilities, and large power plants, we take the safety of ourselves, our families, and our communities very seriously. We believe, and work to make it so, that nuclear energy is safe, economical and environmentally benign."



ROCTEST INC.
St. Lambert, Québec

Projects in 75 Countries

"In a nuclear reactor building, water and air tightness, stability, and structural integrity are critical," states Pierre Choquet, engineer and Doctor of rock mechanics. "They must be tested after construction and then periodically during the entire working life of the project."

The highly qualified personnel of St. Lambert, Québec-based Roctest have worked on important projects in more than 75 countries including the CANDU nuclear power plants at Gentilly, Québec; Point Lepreau, New Brunswick; Cordoba, Argentina; Wolsong, South Korea; Cernavoda, Romania; and laboratories and experimental storage sites such as Pinawa, Manitoba in Canada; Carlsbad and Yucca Mountain in the United States; Mont Terri and Grimsel in Switzerland; Mol in Belgium and Aspo in Sweden. China has recently opened up to Roctest with the Qinshan project. "The first of a long series, we hope," concludes Pierre Choquet.



ATLAS IDEAL METALS
Toronto, Ontario

Special Metals and Special Service

Hedi Othman is Quality Control Representative with Etobicoke and Brampton, Ontario-based Atlas Ideal Metals, one of Canada's largest suppliers of very high quality specialized metal alloys. With 650 employees in 14 distribution centres across Canada and annual sales of \$400 million this company makes a significant contribution to the Canadian economy. Many industrial products must operate in the most demanding environments, the extreme cold of the Arctic or the extreme heat inside a nuclear reactor. Hedi and his team are in charge of making sure that the quality the customer needs goes into what they deliver.

"I've always been fascinated by what makes materials break. Why does a simple toy a child is playing with break? Why do we have to return consumer products to the store so often because they don't perform? My job at Atlas is to make sure what we sell is suited to the job. I and my team take a great deal of pride in making sure that what goes out the door doesn't come back!"



THE ORGANIZATION OF CANDU INDUSTRIES
Canada's Private Sector

Supplying Clean Energy to the World

The Organization of CANDU Industries (OCI) is a private sector organization incorporated in 1979 and is composed of firms engaged in the supply and services of CANDU Nuclear Steam Plants, in Canada and throughout the world. OCI members support Canada's nuclear power export and domestic industries, they also participate in the development, promotion and marketing of CANDU plants and their related services.

OCI member firms range from some of the largest Canadian industrial corporations to medium and smaller business enterprises dispersed throughout Canada. Its members share a common vision of supplying clean energy to the world through producing quality products and services for a global market.

OCI acts as the focal point for industrial collaboration between the private sector of Canada's nuclear industry and international purchasers of CANDU power plants. OCI functions separately from AECL, but participates with AECL in the design, manufacture, construction and commissioning of export CANDU reactors. OCI and its member companies assist purchasers of CANDU plants by:

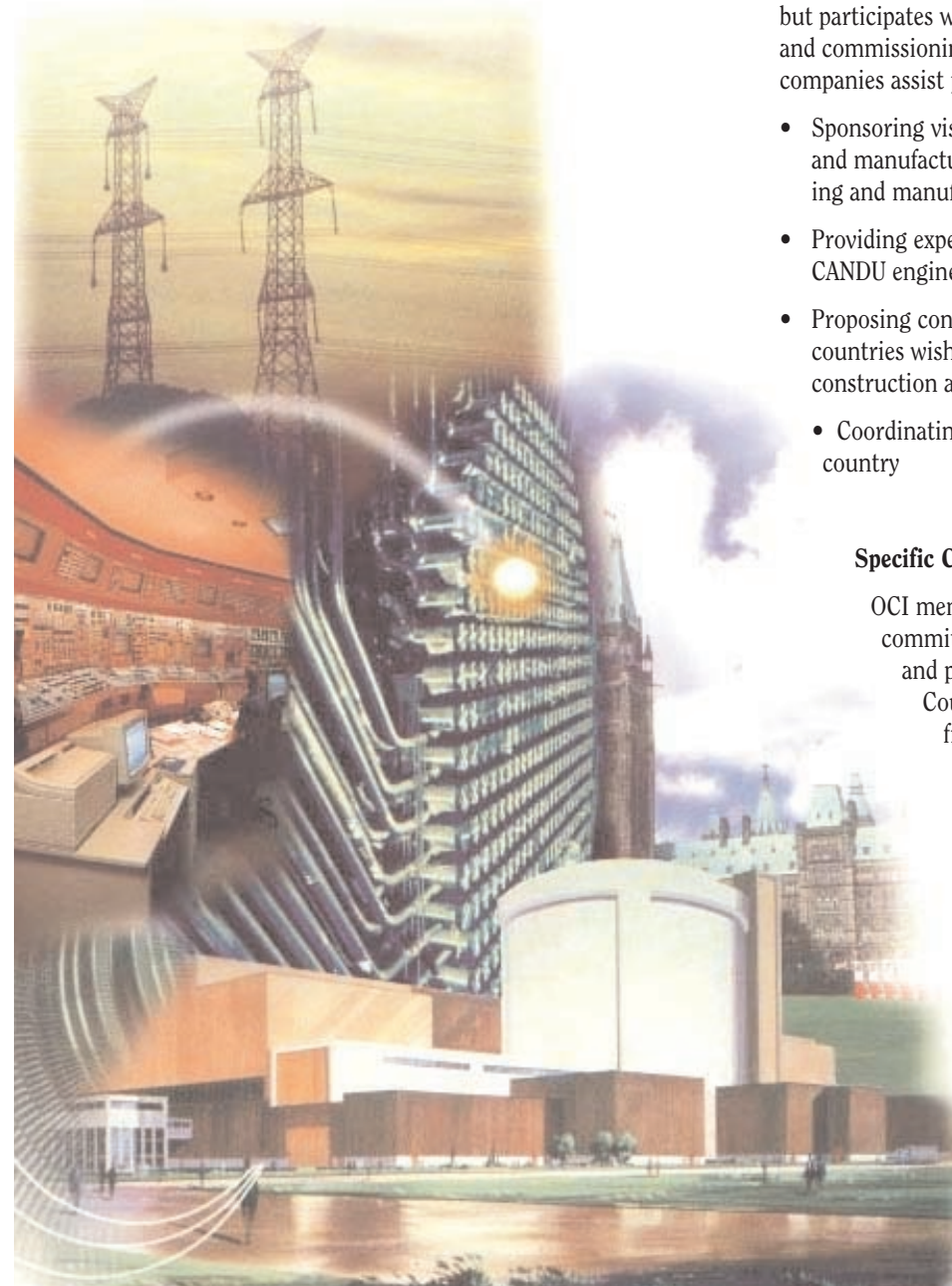
- Sponsoring visits to Canadian companies to familiarize engineers and manufacturers from the client country with CANDU engineering and manufacturing techniques
- Providing expert personnel to assist client countries to incorporate CANDU engineering and manufacturing techniques
- Proposing conditions for the transfer of Canadian expertise to countries wishing to embark upon long-term programs for the construction and operation of CANDU reactors
- Coordinating the transfer of OCI members expertise to the client country

Specific Cooperative Interests

OCI member companies are prepared to enter into long term commitments to introduce CANDU engineering expertise and proven manufacturing techniques to local industry. Countries entering such agreements can also benefit from this technology in non-nuclear fields.

Technology transfer can also lead to opportunities for participation with Canadian partners in new ventures for sales in both domestic and export markets. Countries, which have recognized the many advantages of CANDU and chosen it as the system to meet their power, needs include Argentina, China, India, Korea, Pakistan and Romania.

OCI and its member companies are working for Canadians, putting Canadian expertise and skills to work in the global market, today and tomorrow.





CAE ELECTRONICS LTD.
St. Laurent, Québec

Firm Builds Nuclear Simulators

CAE Electronics Ltd. (CAE) manufactures simulators for the training of nuclear and fossil fuel-fired power plant operators. These simulators reproduce the physical and environmental properties of the plant control room and function operationally in exactly the same manner as the actual plant being simulated. There are a variety of options available to meet utilities' specific training requirements including; generic simulators at off-site training centres, computer-based instruction and classroom training, part-task training systems and plant-specific or full scope simulators. CAE also provides simulator upgrades and retrofit services.

CAE developed its first power plant simulator in 1973 for a CANDU nuclear power plant. Since then, CAE has applied its know-how to developing nuclear power plant simulators for many CANDU, PWR and BWR plant configurations around the world.

In business for over 50 years, CAE is firmly entrenched to service the nuclear power plant simulation market.



SULZER CANADA INC. - CHEMTECH GROUP
Toronto, Ontario

Engineers Find Exciting Work

Eric Schaefer and Lirong Chi are two young engineers working on the Qinshan CANDU project at Sulzer Canada's offices in Toronto. Eric notes, "An international nuclear engineering project like Qinshan involves a vast amount of learning by doing and listening and learning from more experienced engineers."

For Lirong Chi the project is a dream come true. A recent immigrant to Canada and a graduate of the University of Toronto with a Master's Degree in Engineering, she can't believe her good fortune to be working on a project for her native country. According to Lirong, "The project team is a delightful mixture of different backgrounds and cultures, working hard to pull on the same rope and realize a common goal. It would be hard to find a more appropriate and optimistic vision of what it is to be Canadian."



CANATOM NPM INC.
Montréal, Québec and Oakville, Ontario

Picking Canada's Best

Canatom NPM is the largest firm of its kind dedicated solely to the nuclear industry. Its owners are SNC-Lavalin, AGRA Industries and BFC Construction, some of the largest engineering and construction firms in Canada. Canatom NPM provides project procurement, site and construction management services to AECL. This involves the selection of Canadian suppliers for the thousands of components that make up a CANDU power station.

Ongoing projects are located in Cernavoda, Romania; Wolsong, Korea; Qinshan, China and Hong Kong, China; Chalk River and the Ontario Hydro sites of Pickering, Bruce and Darlington. President and CEO, René Godin, knows his people very well, and believes that "Keeping families happy on site assignments is a key element to the success of a project. Canatom NPM is a growth oriented company and is proud to be a major player in the Canadian nuclear arena."



3L FILTERS LTD.
Cambridge, Ontario

Entrepreneurial Spirit

Dr. Bob Goel and his partner George Foss speak with pride about the accomplishments of Cambridge, Ontario-based 3L Filters Ltd. The partners acquired the company from its US parent three years ago. Bob was born in Himachal Pradesh, a state of northern India. He obtained his engineering education in India and the UK and his Ph.D. and Business Administration degrees in Canada. George was born and educated in Ontario.

Bob and George share a common vision: the best possible service for their customers and an environment for employees which supports family values. 3L employs 55 full-time staff who are highly qualified and dedicated to excellence. Today 3L is a world leader in filtration. Amongst other products it has developed filters that help keep the heavy water used in CANDU reactors free from radioactive contaminants, thus ensuring a safe workplace and environment. Seventy-five per cent of 3L's production is exported.



E.S. FOX CONSTRUCTORS LTD.
Niagara Falls, Ontario

Three Generations of Leadership

Niagara Falls-based E.S. Fox Constructors Ltd. is a privately owned, Canadian company established in 1934 by Ted Fox as a small commercial plumbing business. Today the company employs more than one thousand people at its Niagara Falls facilities. The company supplies equipment for the heat transfer system of nuclear power plants, components which must meet demanding technical requirements.

"We pride ourselves on the fact that we live up to our commitments," says Spencer Fox, the third generation Fox to lead the company. "Our people are a big component of our success, productive and quality-conscious employees who take pride in their efforts and enjoy the favorable response of customers well served. We all benefit from that!"



KANATA ELECTRONICS
Rexdale, Ontario

Small is Beautiful

Thirty years ago Ron Stewart established Kanata Electronics which produces specialized electrical cable for safety control systems in nuclear reactors. Today this family-owned business has 15 employees in addition to family members. Two of Ron's daughters and their husbands work at the plant as well as the husband of another daughter. As Ron says, "We grew up with the nuclear industry in Canada. It's been very good to me and my family, my employees, and I believe in Canada." Today, Kanata does about \$5 million per year in business in the nuclear and aerospace industries. About 70 per cent of its nuclear business and 50 per cent of its aerospace business is manufactured for export.

Kanata, in conjunction with Habour Industries in Québec, developed environmentally qualified cable and connector systems which are installed in all new reactors and are used to replace the old cable in operational reactors.



INVAR MANUFACTURING LTD.
Batawa, Ontario

Benefiting Rural Ontario

This high-technology manufacturing company located in the eastern Ontario community of Batawa employs over 350 people. Invar is a subsidiary of Canadian based Linamar Corporation and is a leading contract batch manufacturing operation. The company manufactures and supplies a wide array of quality machined products, complex components, systems and assemblies for customers in the nuclear energy, aircraft/aerospace, defense, transportation and commercial sectors.

Invar has more than 30 years experience as a nuclear energy supplier, certified ISO 9002; has annual sales in excess of 60 million Canadian dollars; and manufacturing facilities in excess of 11,897 square metres (128,000 square feet).



BABCOCK & WILCOX CANADA
Cambridge, Ontario

Leading World Supplier

Babcock & Wilcox has been the primary manufacturer of nuclear steam generators for CANDU system power plants since the 1950s. It has supplied over 200 nuclear steam generators for CANDU system power plants and developed a world-wide reputation for quality. This company is the leading supplier of replacement steam generators to the United States and a leader in the worldwide market. Boasting the world's largest nuclear clean room, it also has complete in-house support including project management, design engineering, manufacturing engineering, procurement, transportation and nuclear service.

Because of its CANDU experience, the company's replacement steam generators play an important role in extending the life of nuclear power plants, so that nuclear energy can continue to pay energy and environmental dividends for decades to come. Thanks to Babcock & Wilcox, 1,100 more Canadians have good jobs, many Canadian suppliers and subcontractors benefit and the world breathes cleaner air.





NEWMAN HATTERSLEY LTD.
Mississauga, Ontario

The Power to Perform

To many people, a valve is about as exciting as a ball bearing. We all know they are needed, but who cares how they work? Hannes Mueller, that's who! The Managing Director of Newman Hattersley Ltd. has a passion for valves as anyone who meets him quickly discovers. "Our business," notes Mueller, "is a challenging blend of intellectual and extremely practical requirements." Mueller contends that valves in a modern industrial society are as important as valves are to the human heart. Valves must turn things on at exactly the right time and turn them off exactly when that's needed, day-in and day-out, with great precision and great dependability. Valves create the pulse of modern industrial processes, in everything from aircraft, to submarines, from nuclear power stations to dishwashers, valves control the forces that shape, serve and monitor our lives.

Stepping into the offices of Newman Hattersley in Mississauga confirms the passion the company has about its products and the enormous attention to detail that is evident throughout this company. This firm has taken the Henry David Thoreau phrase of "simplify, simplify, simplify" to become a core organizational value. The results are there to prove it, from a single product company 15 years ago, it has grown, sometimes at customer requests, to become a preferred supplier for a wide variety of sophisticated and uniquely designed valves, in Canada and abroad.

The bright, open, refreshing environment of Newman Hattersley's Mississauga facility, designed by Austrian-born Mueller, is reflected in its diverse workforce. "I like it here," states Jason Huynh, a long-time employee, of Vietnamese origin, "this plant has people from many countries working together as a team, a Team Canada, I feel proud to belong!"



CANADIAN NUCLEAR SOCIETY
Toronto, Ontario

Providing a Forum

The Canadian Nuclear Society provides Canadians interested in nuclear energy with a forum for technical discussion. The Society publishes a quarterly magazine *The Bulletin*, sponsors conferences throughout the year and maintains affiliation with nuclear organizations in many other countries.



HYDRO QUÉBEC
Gentilly, Québec

Building Success on Know-How

Pursuant to the sale by AECL of two CANDU-6 reactors to China, Hydro-Québec was awarded the contract of NSP training. Under this contract, Hydro-Québec will train more than 230 Chinese specialists in the management, operation and maintenance of CANDU power plants. The two-stage training program for TQNPC personnel started in Haiyan, in Zhejiang province in January 1999. During the first stage, Hydro-Québec will provide two sessions of classroom training for a total of nine months. During the second stage, Chinese specialists will train on-the-job at Gentilly 2 nuclear plant in Québec, starting in July 1999. All told, the training program in Québec will last 18 months, that is two sessions of nine months each.

For over 30 years, Hydro-Québec has successfully managed its nuclear program, Gentilly 2 NPP. This prototype and first commercial CANDU-6 unit built, has operated at a lifetime capacity factor of 80 per cent over the last fifteen years. Technical expertise is a trademark of Hydro-Québec. Nuclear personnel take pride in the quality of their technology and of their work.



KOCH ENGINEERING COMPANY LTD.
Agincourt, Ontario

Designing Energy Products

Koch Engineering of Agincourt Ontario is engaged in the design and manufacture of heat exchangers, an important part of many industrial processes. Their clients include the oil, chemical, natural gas, petrochemical and electrical power generation industries in Canada and offshore, including AECL's CANDU project at Qinshan in China. The company does more than \$25 million in business each year; much of it exported.



MDS NORDION
Kanata, Ontario

Science Advancing Health

MDS Nordion is the world's largest supplier of radioisotopes used for nuclear medicine, gamma sterilization of medical disposable equipment and food, and cancer therapy equipment. The company is the world's principal source of molybdenum-99, an important isotope for nuclear medicine – used to diagnose problems in the heart, brain, liver, lungs, kidneys and bone. More than 15 million nuclear imaging and therapeutic procedures using a variety of isotopes are performed worldwide every year. MDS Nordion also supplies cobalt-60 produced in Canadian reactors which is used to sterilize equipment used in hospitals such as surgical gloves, sutures, and syringes. MDS Nordion has installed over 110 sterilization systems in 40 countries and is the world's leading supplier of cobalt-60. MDS Nordion's third core area of business is the manufacture of its radiotherapy cancer treatment equipment and treatment planning software.

MDS Nordion has grown to a company with almost a thousand employees and annual sales of \$250 million, 95 per cent of which are exported. AECL is building two new isotope production reactors at Chalk River for MDS Nordion and which is also expanding its research and production facilities in Kanata. "We use cobalt-60 produced by MDS Nordion in our radiotherapy facilities. The importance of this material cannot be over-emphasized," notes Dr. Harry Johnson of Manitoba's Cancer Treatment and Research Foundation.



PORT OF VANCOUVER
Vancouver, British Columbia

Gateway to the Pacific Rim

The Port of Vancouver is North America's top port for exports and in 1997 it created 10,700 jobs and added \$1.68 billion to the Canadian economy. Gordon Chu, of the Port of Vancouver and officials of Canatom-NPM have worked together to find ways in which the Port can help Canatom-NPM and AECL build its business in the Pacific Rim. Like many others, he is prepared to go that extra mile to make sure that the Port is used to the maximum extent possible to add value to Canadian exports.



KVAERNER QTC INC.
St. Laurent, Québec

Pioneer Québec Company

Québec Tool Corporation was founded as a family business in 1948 and for the past 25 years has been a growing supplier of large nuclear components and pressure vessels. The Kvaerner Group, one of the world's great industrial conglomerates and its owner since 1995, expects, and gets the best of its Montréal plant.

Kvaerner QTC is fabricating large steel-shielded doors for the Qinshan CANDU project as well as the reactivity mechanism lead-shielded flask. Kvaerner QTC is also participating in the MDS Nordion Maple isotope project. Nuclear transport casks are another key product.

A stringent quality system is key to nuclear fabrication as is close communication between Kvaerner QTC engineers and the customers, ensuring their total satisfaction. The rigorous approach of the nuclear industry allowed Kvaerner QTC to keep at the forefront of industries like pulp and paper, aerospace, chemical, hydroelectric, mining and petroleum.



NU-TECH PRECISION METALS INC.
Arnprior, Ontario

Rewarding Jobs

Nu-Tech Precision Metals of Arnprior Ontario manufactures a variety of products to high quality standards using specialized metals. The company has produced more than 17,000 zirconium alloy pressure tubes for CANDU reactors.

After fourteen years at AECL, David Schrieter transformed his working relationship into an opportunity for employment and became Nu-Tech's Extrusion Manager. "It was a once in a lifetime opportunity to take on this challenging position and work for a growing export oriented company," says Dave.

With its core business in the nuclear industry, Nu-Tech has diversified and offers program development, extrusion, finishing, joining, metallurgical analysis, destructive and non-destructive testing for clients with demanding requirements related to reactive and other metals manufacturing.





CANADA'S NUCLEAR EXPORT INDUSTRY

Exporting to the World

Exports are an important part of Canada's economy. They provide jobs in Canada and produce foreign currency earnings which enable Canadians to purchase goods and services from other nations. Historically Canadian exports have been commodity based and are the basis for the phrase "hewers of wood and drawers of water". Nuclear industry exports represent an entirely different approach, high technology, precision manufacturing and research based products, made to the most exacting standards. While commodity exports will always be important to Canada, higher value-added products, such as nuclear industry exports contribute significant benefits to Canadians, both in terms of immediate impacts and because they also significantly contribute to Canada's overall manufacturing and research and development capabilities. Recently over \$120 million worth of components were loaded onto this ship for transport to the AECL CANDU project at Qinshan, China. The largest single item was the reactor core, called a calandria, which was fabricated in Tracy, Québec. This core weighs over 640 tonnes.

