

# CANDU Supply Chain Forum Saskatoon November 30, 2010

AECL

Organization of CANDU Industries  
Enterprise Saskatchewan



# CANDU Supply Chain Forum

## AGENDA

- **Nuclear Renaissance and CANDU**
- **CANDU Design and Equipment Overview**
- **AECL Supply Chain and Supplier Qualification**
- **Overview of Organization of CANDU Industries (OCI)**
- **One on one discussions among Suppliers and AECL and OCI Representatives**

# Atomic Energy of Canada Limited

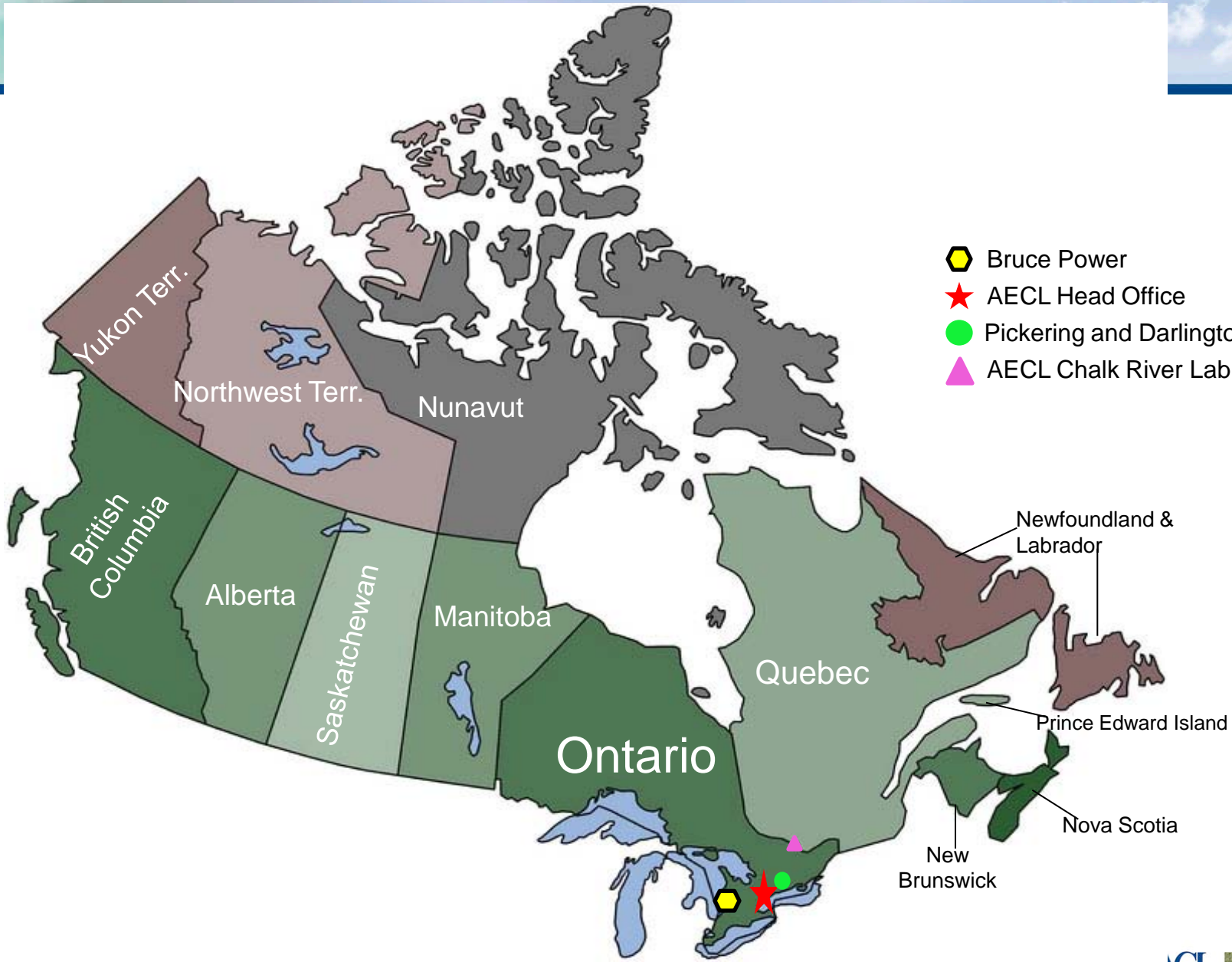
## Global Nuclear Technology Company

- Established in 1952 by the Government of Canada
- Employs almost 5,000 people
- More than C\$500 Million annual revenues

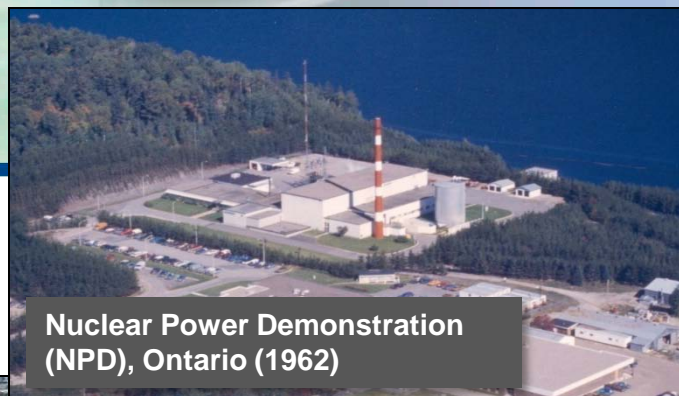
## Our Business

- Reactor Sales and Services (CANDU design)
- Reactor Maintenance Services
- Nuclear Safety/Performance Products & Services
- Research & Development
- Environmental Management

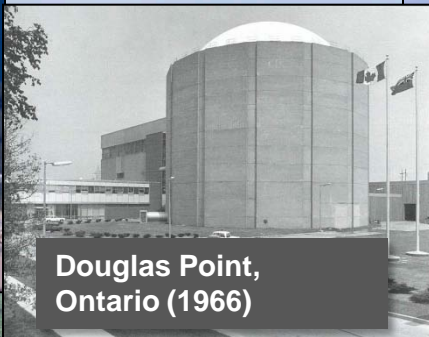




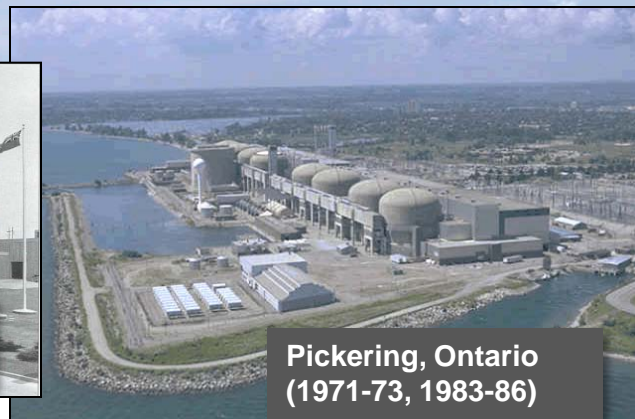
- ⬡ Bruce Power
- ★ AECL Head Office
- Pickering and Darlington Stns.
- ▲ AECL Chalk River Lab



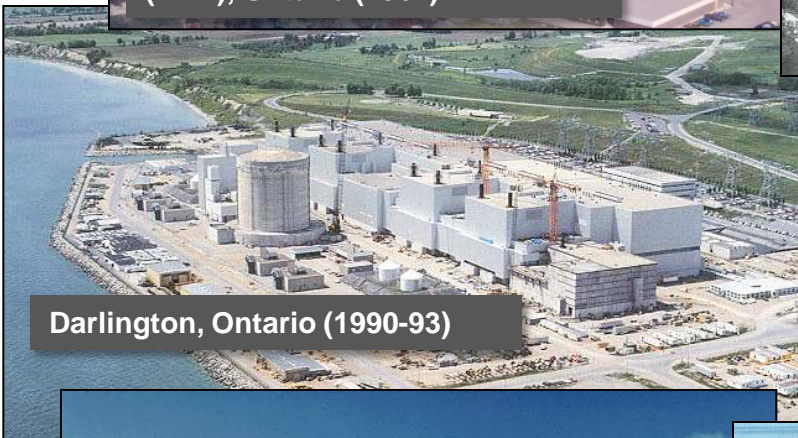
**Nuclear Power Demonstration (NPD), Ontario (1962)**



**Douglas Point, Ontario (1966)**



**Pickering, Ontario (1971-73, 1983-86)**



**Darlington, Ontario (1990-93)**

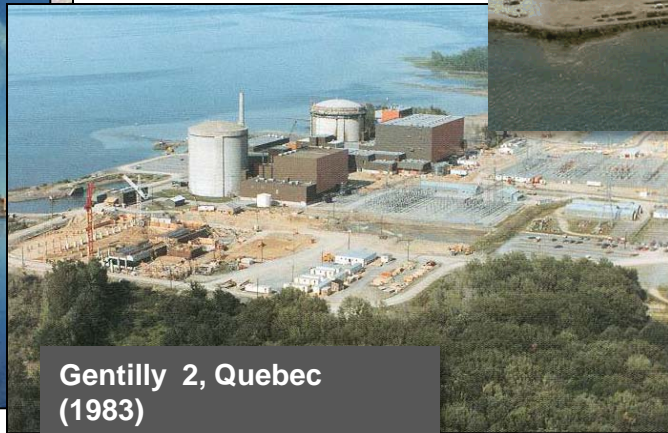
# CANDU in Canada



**Bruce, Ontario (1977-79, 1985-87)**



**Pt. Lepreau, New Brunswick (1983)**



**Gentilly 2, Quebec (1983)**

**16% of the Canada's Electricity Supply  
52% of Ontario's Electricity Supply**

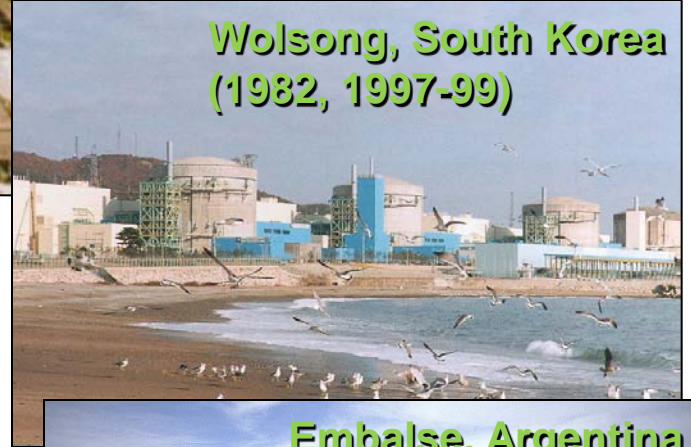
**Kanupp, Pakistan  
(1972)**



**Rajasthan, India  
(1973, 1982)**

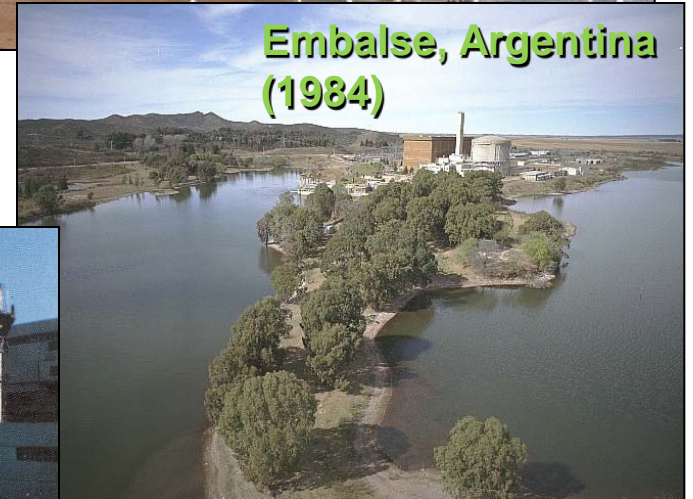


**Wolsong, South Korea  
(1982, 1997-99)**



**CANDU  
around  
the  
world**

**Embalse, Argentina  
(1984)**



**Qinshan, China  
(2002-03)**



**Cernavoda, Romania  
(1996, 2006, 2008)**



# Nuclear Laboratories

The R&D capabilities of Chalk River and Whiteshell Labs support CANDU product development and the existing CANDU fleet:

## Three mandates

- Research & Development
- Decommissioning & Waste Management
- Medical Isotope Production

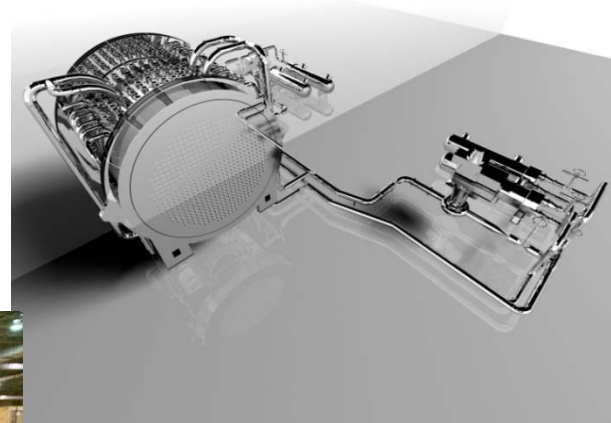


## Support for CANDU Reactor Division

- R&D support of product development
- Access to facilities for testing (e.g., research reactor, hot cells, high temperature loops)
- Support of commercial contracts

# Commercial Operations

**New Build** is the growth and profitability engine of the business



**Life Extension** is a critical element of CANDU product life cycle



**Services** is a steady, complementary business activity

 **AECL EACL**

