



WHY WIND ENERGY R&D?

ENERGY POTENTIAL

SIGNIFICANT, ECOLOGICALLY INOFFENSIVE, AND COST-EFFECTIVE CONTRIBUTION TO ENERGY NEEDS OF CANADIAN LOCATIONS WITH GOOD WIND RESOURCES SUCH AS THE MARITIMES, SOUTHERN PRAIRIES, PARTS OF THE TERRITORIES, AND EXPOSED COASTAL AREAS OF B.C.

EXPERTISE

UNIQUE CANADIAN EXPERTISE FOUNDED ON RE-INVENTION OF THE DARRIEUS VERTICAL AXIS WIND TURBINE (VAWT) IN 1966, AND CONFIRMED BY 10 YEARS OF LABORATORY AND FIELD TESTING AT SIZES UP TO 1/4 MW.

VAWT IS FULLY COMPETITIVE WITH CONVENTIONAL HORIZONTAL AXIS WIND TURBINE (HAWT) AS CONFIRMED BY INDEPENDANT STUDY OF CURRENT AND PROPOSED MEGAWATT-SCALE MACHINES IN USA AND CANADA.

INDUSTRIAL POTENTIAL

INDUSTRIAL TEAMS EXIST - BRISTOL AEROSPACE LIMITED
- DAF INDAL LIMITED
- SHAWINIGAN ENGINEERING
- CANADAIR LIMITED

CANADIAN MARKET ESTIMATED AT 1000 MEGAWATT-SCALE MACHINES BY 2000 AD WITH INITIAL COST OF \$1 BILLION, AND SUSTAINED PRODUCTION REQUIREMENTS FOR 200 SUCH MACHINES PER YEAR.

GLOBAL MARKET POTENTIAL IMMENSE, OVER LARGE RANGE OF MACHINE SIZES.