



# Biomass Silo Systems

CASE STUDY:  
ST. JOHNS,  
NEWFOUNDLAND,  
CANADA



**St. Johns** is the capital city of Newfoundland and the closest North American city to Europe.

In September 2013 a new government funded **seed propagation facility** was established in **St Johns, Newfoundland** in order to **trial new disease and pest resistant strains of the vegetable** which could cope with the Harsh Canadian climate.

A sustainable source of heat for the growing tunnels was provided by two **E-Compact 85kw pellet boilers** and Wood Fuel Systems were contracted to **supply a 10.0 ton capacity pellet silo with dual auger feed**.



The pellet boilers were connected to two air heaters which were controlled by temperature sensors.

The pellet boilers, fuel store and feed system were all installed by Compact Appliances of Sackville, New Brunswick and have allowed for the precise control of temperature within the growing tunnels as well as large savings on fuel costs in comparison with oil.

*Approximately one year after the installation the facility released its first crop of plantlets and it has now become critically important to the provinces agriculture industry.*



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