



CANADA FOOD SECURITY (CFS)

PFC CONTAINER FARM



Established in 2022, Marcatus PEC is Marcatus QED’s first hydroponic container farm initiative, located on Founder and CEO Murali Sundar’s 115-acre farm in Waupoos, Prince Edward County, Ontario. Designed, funded, and implemented by Marcatus, the container farm was created to support consistent access to nutritious, locally grown food while helping address food insecurity, climate-related agricultural challenges, and Canada’s reliance on imported produce. By growing food year-round in a controlled environment, the container farm can operate through all four seasons and adapt to extreme weather conditions, offering a practical solution to Canada’s limited winter growing season.

The initiative also supports local food sourcing, sustainable agriculture education, and future agri-tourism opportunities. Through school visits and community engagement, Marcatus PEC can help people learn about innovative farming practices while contributing to a lower-carbon, more resilient local food system rooted in Prince Edward County’s rich agricultural heritage.



•Climate Benefits:

- Year-round food production, especially in winter.
- Reduces reliance on imported food and long-haul transportation.
- Lowers carbon emissions and adapts to extreme weather.

•Community Impact:

- Supports local restaurants, schools, and care facilities.
- Educational outreach and training opportunities.
- Potential for agri-tourism and teaching programs.

•UN SDGs Alignment:

- SDG 2 (Zero Hunger)
- SDG 13 (Climate Action)
- SDG 12 (Responsible Consumption and Production)

CANADA'S RELIANCE ON IMPORTS FROM INCREASINGLY UNSTABLE MARKETS IS UNSUSTAINABLE.



Our pilot initiative, Marcatus PEC, aims to address pressing challenges surrounding food insecurity, disruptions in supply chains, restricted growing seasons, and the impacts of climate change. Notably, statistics from the California Department of Food & Agriculture reveal that a substantial 87% of the state's lettuce exports were directed to Canada. We are determined to reduce our reliance on imported food items by exploring innovative solutions.