

# SARNIA-LAMBTON ONTARIO • CANADA

## HYBRID CHEMISTRY CLUSTER

### WHY SARNIA-LAMBTON?



#### FEEDSTOCK AVAILABILITY

Abundant supply of oil, natural gas, and bio-based feedstocks.



#### AFFORDABLE ENERGY

35-40% savings on electricity costs thanks to "behind-the-fence" energy pricing.



#### ESTABLISHED INFRASTRUCTURE

Utilizing extensive existing and shared infrastructure can save 20% on capital costs.



#### LOCATION

65% of USA, Ontario, and Quebec markets are within a one-day drive.

North America's **PREMIER** centre for bio-industrial manufacturing and R&D, the **Sarnia-Lambton Hybrid Chemistry Cluster** integrates the established petrochemical industry with Ontario's most abundant supply of agricultural feedstocks. This results in the development of, and investment in clean, green, and sustainable chemical technologies with companies at every development stage.

#### BIO/RENEWABLE COMPANIES IN SARNIA-LAMBTON



Advanced Chemical  
Technologies Inc.



BioLiNE  
LCY BIOSCIENCES INC.



Woodland Biofuels

#### FOSSIL FUEL COMPANIES IN SARNIA-LAMBTON

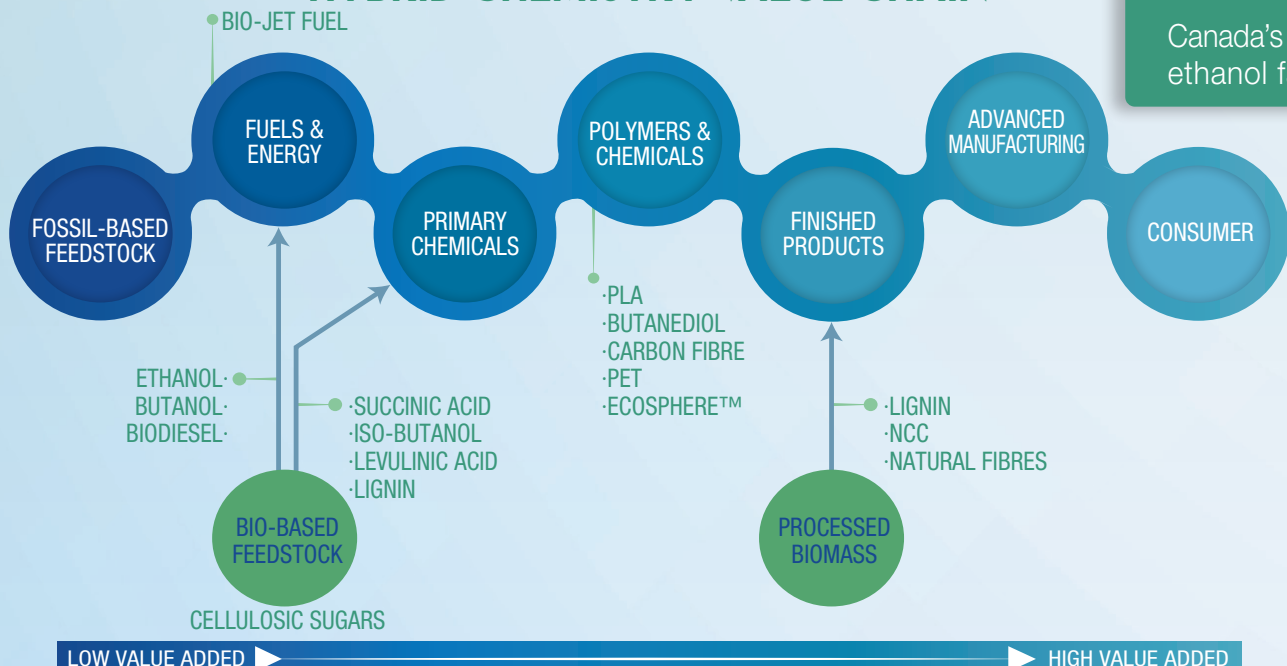


#### SUCCESS PROFILE



Canada's largest  
ethanol facility.

### HYBRID CHEMISTRY VALUE CHAIN



## FEEDSTOCK AVAILABILITY



**CORN** – 265 Million bushels are produced in Southwestern Ontario each year.



**SOYBEANS** – 121 Million bushels are produced in Southwestern Ontario each year.



**RESIDUAL BIOMASS** – 2.1 Million tonnes are produced in Southwestern Ontario each year.



**FOSSIL BASED FEEDSTOCKS** – Natural gas, oil, and NGLs are all available in abundance.

## TRANSPORTATION & MARKET ACCESS

Sarnia-Lambton is located on major road, rail, water, and pipeline corridors to ensure a smooth flow of inputs and end products between members of the value chain and your company's facility.

## EDUCATION, INNOVATION, & R&D ADVANTAGE



Top 3 ranked college in Canada for Applied Research, three consecutive years.

Home to the Centre of Excellence in Energy and Bio-Industrial Technologies



**Western**  
Sarnia-Lambton  
Research Park

Canada's largest clean-tech incubator Outstanding Research Park Award – 2016



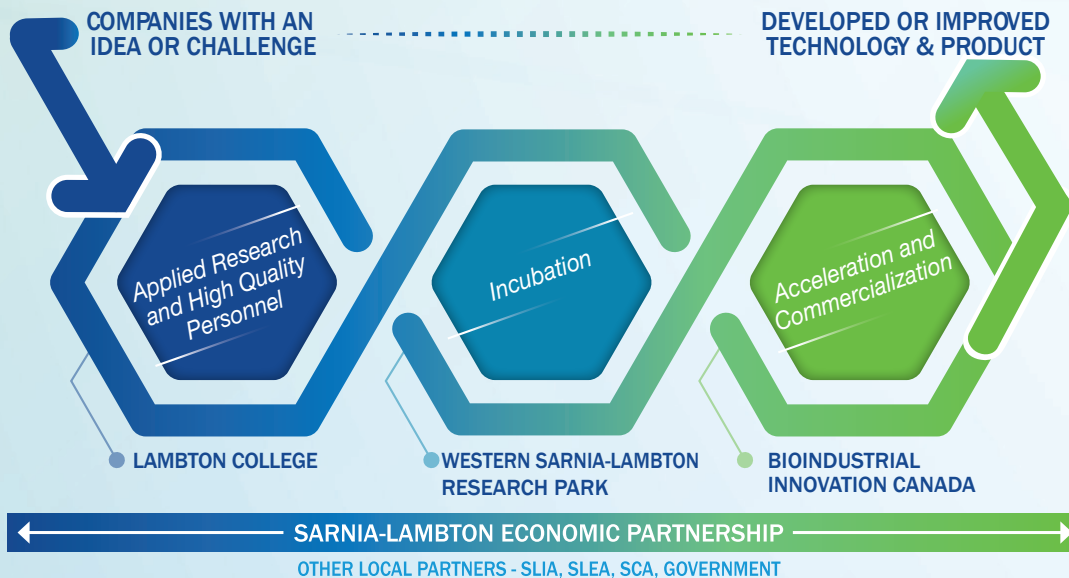
Strategic investment, advice, and services to developers of clean, green, & sustainable technologies, aiding in the commercialization of sustainable chemistry-based products.

## INDUSTRIAL SITES

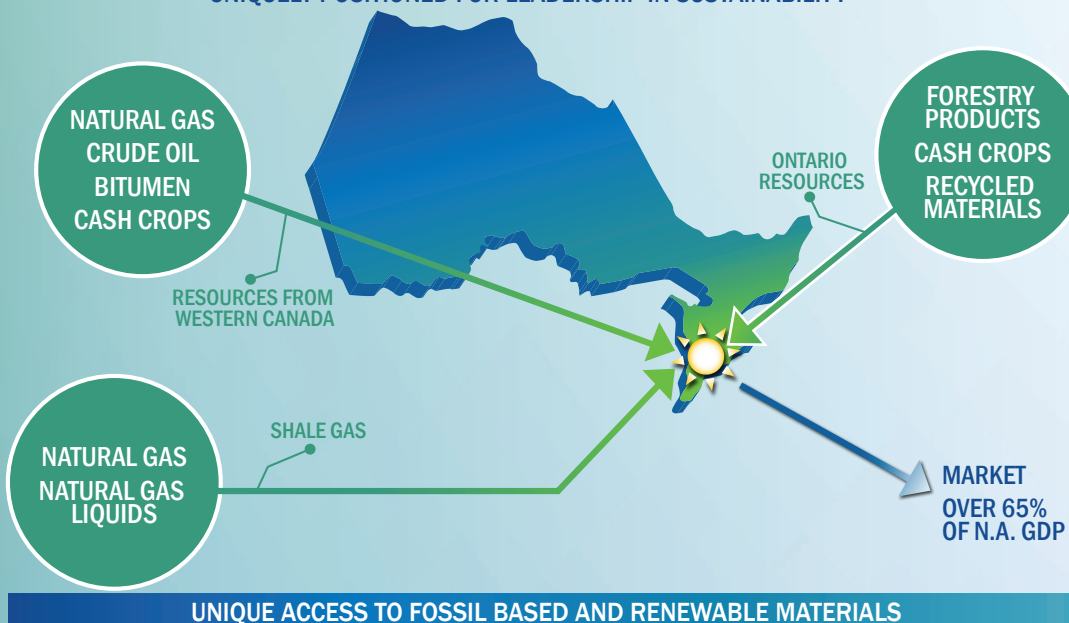
### Bluewater Energy Park & Bio-industrial Park Sarnia

Fully serviced industrial parks ideal for utility extensive manufacturing with direct connections to shared infrastructure and "behind-the-fence" energy pricing. Several municipal and private industrial parks and buildings are also available.

## COMMERCIALIZATION HUB



## UNIQUELY POSITIONED FOR LEADERSHIP IN SUSTAINABILITY



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