

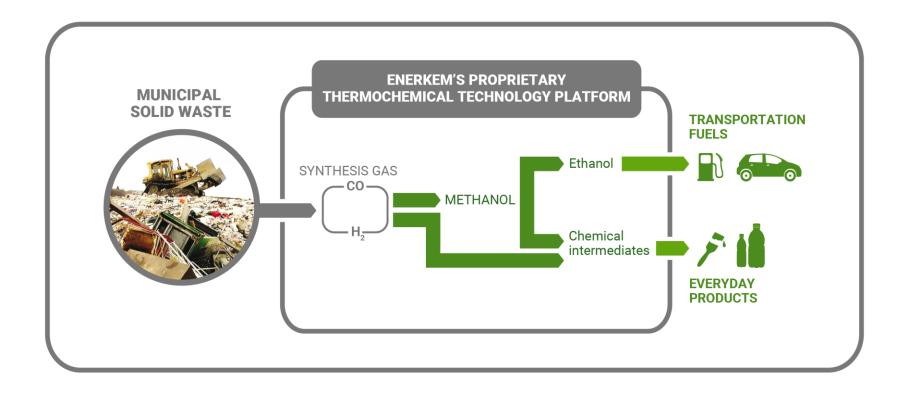






Enerkem's biorefinery process

Replacing the use of petroleum for transportation fuels and chemicals production









Methanol sale and delivery





Key Sucess Factors

- Rigorous technology scale-up with continuous IP protection
- Strong partners and investors
- Sound business model with:
 - large and growing markets, use of sustainable and affordable feedstock, low cost approach
- Skilled and experienced team





Pre-commercial phase

EDMONTON - 1ST FULL SCALE FACILITY

Beginning commercial phase (modular manufacturing)

2015







2000 2009





Using waste for the production of greener chemicals

Waste-to-Chemicals public-private partnership in Europe





Benefits of Enerkem facilities

ENERGY

- Reduction of use of gasoline and oxygenate (high-octane)
- Federal and provincial RFS with advanced biofuels
- Locally-produced low-carbon transportation solution

ECONOMIC

- Diversify and green economy
- Each plant*:
 - Net annual economic impact of \$65 CAN million locally
 - High-quality jobs: 150 direct and indirect permanent jobs
- Manufacturing sector
- Cost-effective waste diversion solution for municipalities
- New export opportunities
- Positions Canada at the forefront of clean technology and advanced biofuels

ENVIRONMENT

- Solves a waste problem and contributes to circular economy
- Methane avoidance from landfills / air pollution associated with incineration
- Reduction GHG emissions by >60% (ISCC-certified)
- Feedstock already collected and available in urban and rural areas



^{*} Based on an independent economic impact analysis for Edmonton plant conducted by Doyletech using their EconWin model

