

**Enerkem
Biofuels Plant**



Type of project: Design Services
Sector: Renewable Fuels
Client: Enerkem
Location: Edmonton, Canada
Technology: Methanol and ethanol from municipal waste gasification
Capacity: 100,000 tpa MSW gasified producing 36,000 m3 per annum biofuel
Date: 2010

Overview: Enerkem are building a biofuels plant at Edmonton. This uses a four step process to produce biofuels from municipal waste – feedstock preparation, gasification, syngas cleaning and conditioning followed by catalytic synthesis of methanol and ethanol. OSL were commissioned to provide technical services to assist Enerkem in the design process of the plant.



Deliverables: Technical review of Enerkem process documents, P&ID development, pipe sizing, pipe specifications, equipment specifications and datasheets, engineering specifications, vessel drawings, line list, valve list, instrument list, instrument specification.

Status: Completed to programme.