SPARK 2017 Industry Tour

Date: Thursday, November 9, 2017
Time: 8:15 a.m. - 4:00 p.m.
Cost: $55/person (tour is optional; not included in SPARK conference registration fee)
Registration: http://www.spark2017.ca/index.php/register
People: 30 maximum / 10 minimum
Travel: Bus or van
Lunch: Included
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8:15	Depart Shaw Conference Centre 9797 Jasper Ave, Edmonton, AB T5J 1N9	
8:45-11:15*	City of Edmonton	Located at Edmonton Waste Management Centre of Excellence
	Enerkem Enerkem Alberta Biofuels LP, Site 460, 250 Aurum Road NE , Edmonton (AB) T6S 1G9	Enerkem's disruptive technology converts non-recyclable municipal solid waste (i.e. garbage) into cellulosic ethanol, methanol and other renewable chemicals, with better economics and greater sustainability than other technologies relying on fossil sources. Enerkem operates a full-scale commercial facility in Edmonton, Canada, as well as both a demonstration plant and a pilot facility in Quebec. The company is developing several cellulosic ethanol and methanol production facilities in North America and globally, based on its modular manufacturing approach.
	FORGE HYDROCARBONS Site 306, 13111 Meridian St. NE Edmonton, AB T6S 1G9	Global energy demand for transportation is expected to rise by 40% between 2010 and 2040. The challenge for the global liquid transportation sector is the development of renewable fuels that are complementary to or displace the use of fossil-based products. FORGE Hydrocarbons Corporation (FORGE) is a privately held, pre-revenue company incorporated in Alberta with corporate offices in Ontario and a pilot facility in Edmonton, Alberta. FORGE has exclusively licensed global rights to a primary patent for the "Methods for Producing Fuels and Solvents" from the University of Alberta, invented by Dr. David Bressler. This Lipid to Hydrocarbon (LTH) patent covers the extraction of FFAs using hydrolysis and non-catalytic decarboxylation using pyrolysis without hydrogen to produce hydrocarbons. The technology offers an innovative approach of producing cost-effective 'drop-in' renewable hydrocarbons which, when distilled, can produce renewable diesel or renewable aviation fuel with the remainder of naphtha. FORGE Hydrocarbons Corporation has assisted in the translation of innovative university research to technology development with private investment and public-sector funding. After 4 years of pilot testing within the Advanced Energy Research Facility, the

		company is now poised to commercialize a 19-million litre facility in Ontario with a consortium of partners and public funding. This Canadian-based technology emerged from decades of high-temperature chemistry research conducted during the development of the Canadian oil sands. As such, the adoption of these approaches, with conditions and chemistries understood by the oil industry, allow rapid assimilation and compatibility with Canada's existing fuel industry.
11:15 – 12:05*		
12:30-1:45*	ACQBUILT 4303 55 Ave NW, Edmonton, AB T6B 3S8	ACQBUILT is a national leader in industrialized pre-fabrication of buildings. The result is higher quality and creates virtually no waste - with new homes assembled on site in one or two days! ACQBUILT's panelization methods employ high-precision German robotics equipment linked to building information modeling (BIM) systems for full integration with the design process, all in a warm interior environment year round.
2:15-3:30*	HEXION R&D Centre 15415-128 Avenue Edmonton, AB T5V 1T9	Based in Columbus, Ohio, Hexion Inc. (together with its indirect subsidiary Hexion Canada Inc.) is a global leader in thermoset resins. Hexion is a global manufacturer operating approximately 60 industrial facilities around the world, serving and supporting customers in a diverse range of applications and industries. Hexion produces epoxy specialty resins, modifiers and curing agents serving the automotive, oilfield, electronics, architectural and industrial coatings, wind energy, paint, packaging, power generation and distribution, aerospace, rail, marine and construction industries. We are a global leader supplying resins, adhesives, wax emulsions and ancillary products to the forest products industry. Customers use these materials to manufacture a wide range of composite and engineered wood products including plywood, particleboard, oriented strandboard, medium density fiberboard, structural beams, furniture, moldings and millwork, most of which can be successfully recycled into new panels. Our products can be found in every part of commercial and residential structures, improving structural strength and safety, boosting energy efficiency, increasing durability and enhancing aesthetics. We are guided by the principles of green chemistry. Hexion's Edmonton manufacturing plant is celebrating 60 years of operation supplying adhesives to EWP producers across Western Canada. Whatever your application or technology need, every Hexion product is backed by superior technical service and support. We're committed to building relationships that result in building innovation. Hexion.com

*Driving and tour times are approximate.