

Fuel Cell Supply Chain: New England

Connecticut Center for Advanced Technology, Inc.

Joel M. Rinebold

July 15, 2009



System Components

Fuel Cell System

Balance of Plant (BOP)

- Structural Components
- Power Conditioners
- Heat Exchangers
- Fuel Processors
- Water Systems
- Air Systems
- Control Systems

Stack

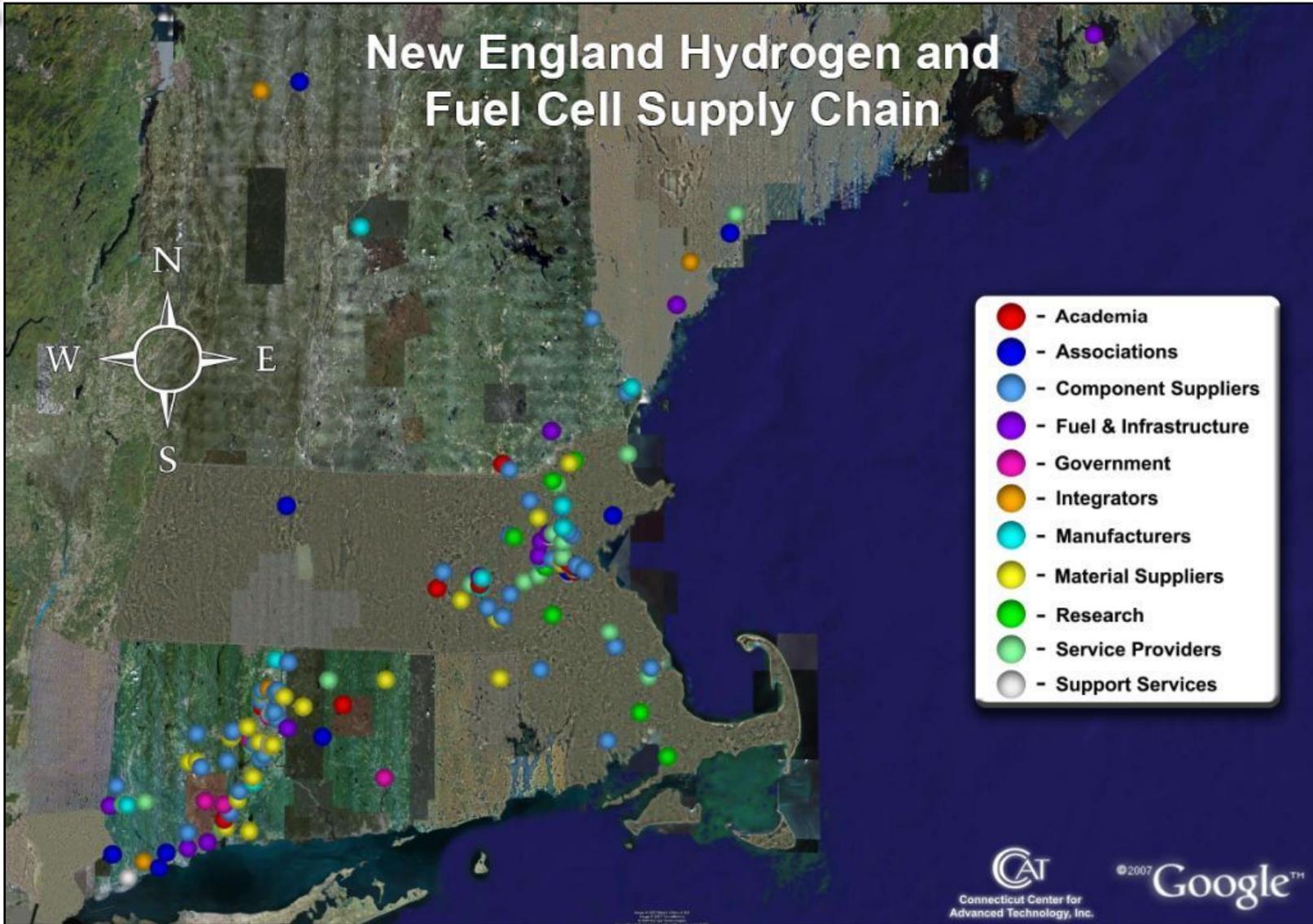
- Plates
- Other Components
(Repeat and Non-Repeat)



Materials, Processes & Components

<u>Materials</u>	<u>Manufacturing Processes</u>	<u>Manufactured Components</u>
Platinum	Metal forming	Heat exchangers
Aluminum Clad Metal	Machining	Valves
Stainless Steel	Welding	Controllers
Nickel	Plating	Pipes/Tubing
Plastics	Coating	Connectors
Adhesives	X-Ray Inspection	Cathodes/Anodes
Ceramics	Heat Treating	Instrumentation
Insulation	Degreasing	Catalysts
Structural Steel		Insulation
		Wiring
		Gaskets

New England Hydrogen and Fuel Cell Supply Chain





Joel M. Rinebold

Telephone: (860) 292-8832 Ext. 112

Email: jrinebold@ccat.us

Web: www.ccat.us

*Connecticut Center for Advanced
Technology (CCAT)*