



**HEAT: The**  
**Hydrogen Economy**  
**Advancement Team**

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**VOLUNTEERS HELPING GOVERNMENT**  
**MAKE HYDROGEN HAPPEN *SOONER.***

# HEAT: Who We Are

- ∞ twelve business / local government volunteers from the general vicinity of Mooresville, NC
- ∞ engineers, planners, systems integrators, environmentalists working under the auspices of the Mooresville / South Iredell Chamber of Commerce
- ∞ most are actively employed; a few are retired
- ∞ all convinced of the inevitability of a hydrogen economy and the urgency of getting into “the hydrogen parade” as early as possible

# HEAT: How We Formed

- ⌚ Two retired technologists wanted a hydrogen fuel cell (hydrail) commuter rail train from Mooresville to Charlotte.
- ⌚ Others heard of *the Mooresville hydrail initiative* and “joined the fun.”
- ⌚ Shared visions soon expanded beyond hydrail to several hydrogen projects.

# Some of HEAT's Projects

- ∞ the Mooresville hydrail initiative
- ∞ The First International Hydrail Conference
- ∞ H<sub>2</sub>TEACH TEACHING EVERYONE ABOUT CLEAN HYDROGEN
- ∞ DELTA H<sub>2</sub> Infrastructure: jumping over the "chicken-or-egg" barrier

# The First International Hydrail Conference



- ∞ held in Charlotte, May 5-6, 2005
- ∞ almost all world's hydrail experts came
- ∞ produced by Appalachian State University
- ∞ sponsored by US EPA, NC Energy Office, NC Commerce, Charlotte and Mooresville Chambers, Centralina Council of Governments and ASU.
- ∞ Japan, Canada, Denmark, North Carolina and US Governments, universities and businesses presented. (Second IHC now being discussed)

# H<sub>2</sub>CLT + H<sub>2</sub>GSO + H<sub>2</sub>RDU = Ford + Tug Industries + Hydrogenics + John Deere



# An NC Roadmap Shortcut: HEAT Teams Across NC

- ∞ There are professionals everywhere excited about the hydrogen revolution.
- ∞ Charlotte now has a CHAT, the Charlotte Hydrogen Action Team
- ∞ "HEAT" teams across NC could powerfully leverage limited State agency assets at no cost to taxpayers.
- ∞ Only "cost" = State acknowledgement and collaboration toward quicker results.