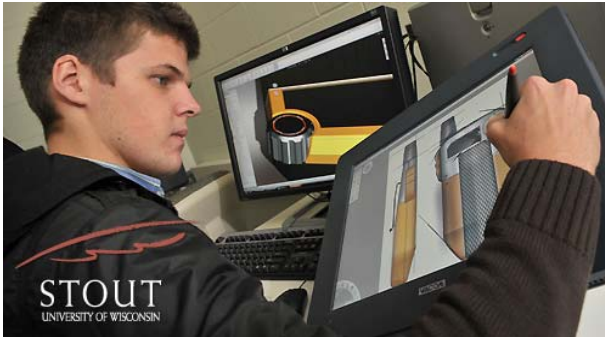




Cool Science project:

What initiated the partnership?

- Referral leads Ken Smith to UW-Stout Incubator director in 2007
 - Initial business Remstand entered incubator 2008
 - Cool Science (founded 2003) operating as a side business off-site
- Ken Smith changes focus to Cool Science and renews incubator agreement 2009
- Remstand and Cool Science both met incubator criteria:
 - Developmental stage of technology oriented business
 - Remain in NW WI w/potential for job creation
 - Engage faculty, staff, and students



Cool Science project:

What resources were secured or committed?

- Stout Incubator client on campus – project-focused access to laboratories, expertise, and global partners
- Engineering and Technology Department senior project to demonstrate feasibility of pressure balanced fuel in a working LED camp lantern (Fall 2008)
- Collaboration with UW-Stevens Point and UW-Green Bay faculty
- Prototype development – shared funding DC/WiSys prototype development fund grant – engaging UW-Stout’s Center for Innovation and Development (SBDC) (2009-10)



Cool Science project:

What resources were secured or committed?

- Students hired to assist in design and fabrication
- Additional Engineering and Technology Department senior project focused on applied research and development of fuel cell
- Application under development for NSF Partnerships for Innovation proposal (UW-Stout Discovery Center, UW-GB, partner companies) combine pressure-balanced, photocatalyst manufacturing, and advanced injection molding technologies to develop low-cost commercial solution



Cool Science project:

What were the challenges in partnering?

- Identifying unique partner requirements
- Identifying common partner goals
- Protecting intellectual property
- Accessing research funding
- Project management through multiple interacts



Cool Science project:

What were the successes?

- Fuel cell advancement from concept to practice/testing
- Intellectual and physical resource enhancements – including fuel cell test facility
- Collaboration opportunities with other institutions/laboratories
- Multiple student projects
 - Mechanical design
 - Advanced machining of components
 - Applied science laboratory support



Cool Science project: Current status and where is it going?

- Second stage funding for scale up of fuel cell design to incorporate into an electric vehicle
- Negotiation with additional industry partners
- Photocatalytic fuel cell collaboration on WiSys applied research grant with UW-GB Chemistry faculty (2010-11)



Cool Science project:

What are the outcomes/results?

- Funding assistance for development and product scale-up
WISCAP application
- Commercialization of product and concept (2011)
- Multiple formal and informal interaction with UW-Stout faculty and students



Cool Science project:

What are the outcomes/results?

- Multiple formal and informal interactions with UW-Stout faculty and students
- Shared intellectual property through WiSys
- Funding assistance for development and product scale-up
WISCAP application
- Commercialization of product and concept (2011)
- Incubator/Discovery Center program enhancement