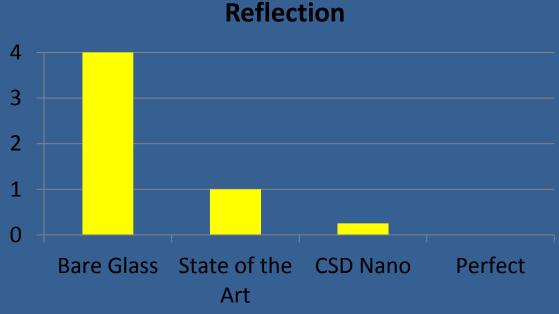
MoreSun™: Moth-Eye Nanostructure

- 4x Improvement in Reflectivity = High Performance vs. State-of-the-Art ARC
- Low cost Spray-and-Bake Process







Status & Accomplishments

MoreSun™ design win with Tier 1 glass manufacturer for solar cell module glass

 Will have two float glass plants in production by 1Q13

\$240,000 received in Federal and State grants, including NSF Phase 1 (Phase 2 pending)

Expanding into architectural glass with three Tier 1s

Signing licensing agreements during 4Q12



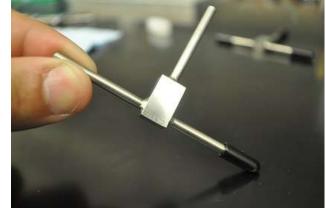


"Micromixers to Match Your Process"

Broad flow rate, multi-input micromixers for

multi-industry Research to Volume Manufacturing

- Pharmaceuticals
- Nanoparticle Synthesis
- Continuous Flow Manufacturing



Patented multi-stage design using ultra-thin fluidic layers to increase mixing efficiency and homogeneity of product

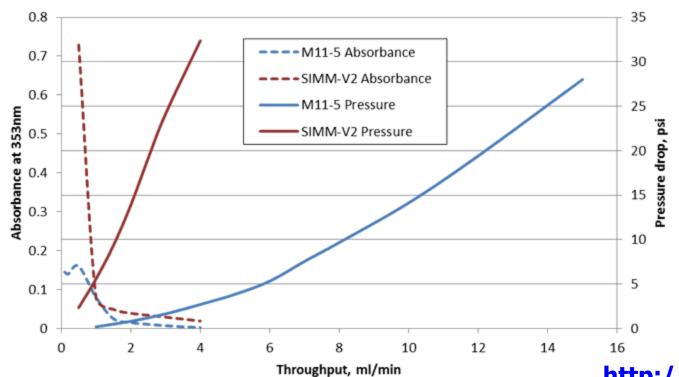
Uniquely enables rapid turn to custom specifications







Comparison of M11-5 to IMM SIMM-V2



Low Pressure
Drop for Broad
Range of Input
Flow Rates

http://microflowcvo.com/

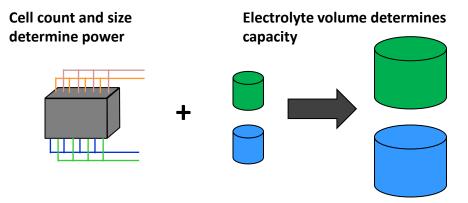
Technology & Product



Technology:

- Redox Flow Battery
- Currently using Vanadium and Iron Based Electrolytes
- Real-time monitoring of system health and performance

- Power & Capacity decoupled
- No electrode/Electrolyte Interaction



Product:

- 25 150kW systems
- <8 hours of capacity for Energy Management
- 12hr+ capacity for Backup Power
- Demand Response



Accomplishments



			Com	petitive Solut	titive Solutions	
		Lithium Ion	Zinc-Br	NAS	Lead Acid	VRB
Cost per kWh						
Capital	\$170.00	>\$1000.00	\$400.00	\$600.00	\$238.00	\$866.00
Replacements	\$0.00	4 @ \$1000.00	4 @ 200.00	3 @ 300.00	4 @ 238.00	\$0.00
Maintenance	\$100.00	\$5.00	\$60.00	\$0.03	\$5.00	\$100.00
Fully amortized cost	\$270.00	\$4005.00	\$1,260.00	\$1,500.00	\$1,195.00	\$1066.00
Top competitors	-	A123 SYSTEMS	Deeya Energy	NGK	SOLAR STAR	Prudent Energy VRB* Systems ASHLAWN ENERGY
			redflow			The Better Bettery

Recipient of \$1.8M ARPA-E grant (Aug 2012)

• One of 19 recipients for "transformative new projects" in energy storage technologies