

Invention and Innovation awardees

Invention	Inventor & Location	Funding Amount
High-Efficiency Variable Dehumidification for Air Conditioners	Advantek Consulting, Inc. Melbourne, Fla.	\$200,000
Electrochromic Windows: Advanced Processing Technology	SAGE Electrochromics, Inc. Faribault, Minn.	\$200,000
Fuel Gas Generation from Biomass via ACR	Virent Energy Systems, LLC Verona, Wis.	\$39,710
High Speed/ Low Effluent Process for Ethanol	Bio-Process Innovation, Inc. W. Lafayette, Ind.	\$200,000
Multi-Rotor, Micro-Particle Generator	Emulsion Technologies Corp. Indianapolis, Ind.	\$200,000
Pulse Drying Experiment and Burner Construction	PC Engineering Corte Madera, Calif.	\$200,000
An Indirect Route for Ethanol Production	ZeaChem, Inc. Lakewood, Colo.	\$200,000
Development of New Stainless Steel	Advanced Steel Technology, LLC Trafford, Penn.	\$35,000
Oxide Dispersion Strengthened Iron Aluminide by CVD	Powdermet, Inc. Sun Valley, Calif.	\$199,750
Medium Voltage Energy Saving Motor Controller	Power Efficiency Corp. Ann Arbor, Mich.	\$40,000
Energy Saving Method of Manufacturing Ceramic Products from Fiber Glass Waste	Haun Labs Santa Rosa, Calif.	\$200,000
Process for Converting Waste Glass Fiber into Value-Added Product	Albacem, LLC Peoria, Ill.	\$200,000
Advanced Process Heater	STORM Development, LLC North East, Penn.	\$40,000

NICE³ awardees

Technology	Industrial Partner, State Agency and Location	Funding Amount
Near-Infrared Veneer Strength Grading Sensors & Process Control Application for Forest Industry	Oregon Office of Energy Salem, Ore.	\$523,000
Production-Scale Demonstration of a Bio-Pulping Facility	Resodyn Corp. Butte, Mont.	\$500,000

Scaling-Up Manufacturing Process of Low-Cost Novel Carbonaceous Material for Application in Rechargeable Batteries	Superior Graphite Co. Chicago, Ill.	\$500,000
Acid-Catalyzed Hydrolysis	EMN Division, Eastman Chemical Co. Kingsport, Tenn.	\$480,000
The Force Modulator: A New Sheet Metal Work Holding Technology	Metalfforming Controls Corp. Cary, Ill.	\$500,000