

Press Release

Senior Scientist from National Renewable Energy Lab Boosts ReflecTech R&D Effort

Arvada, Colorado April 20th, 2009: ReflecTech, Inc. is pleased to announce that Gary Jorgensen, a Senior Scientist with the U.S. Department of Energy's National Renewable Energy Laboratory (NREL), has joined ReflecTech as a "Scientist in Residence" under a Collaborative Research and Development Agreement (CRADA) with the national lab. Jorgensen will work at the company's research and development center in Arvada, Colorado. This arrangement reinforces and expands the long-standing collaboration between the Optical Materials Group at NREL and ReflecTech, Inc.

Jorgensen will help ReflecTech to refine its product, ReflecTech[®] Mirror Film, a highly reflective, silvered-polymer film, so it can be commercially produced in high volumes. ReflecTech[®] Mirror Film is marketed to, and has been adopted by, the solar power industry as a stable, low cost, reflective surface for extended outdoor use instead of heavy, fragile and expensive curved glass mirrors. ReflecTech[®] Mirror Film is the only product of its kind on the market.

Jorgensen co-invented ReflecTech[®] Mirror Film with ReflecTech Chief Technology Officer Randy Gee. The enabling patent is held by NREL. ReflecTech, Inc. holds the exclusive, world-wide license to manufacture, market, and sell the ReflecTech[®] Mirror Film.

"It is amazing to see this material concept, conceived over a decade ago, being transformed and manufactured on such a large scale," Jorgensen said. "Watching the commercial-quality mirror film coming off the production line is both satisfying and exciting."

Jorgensen is one of the world's leading scientists in the field of solar thermal power. In his three decades at NREL and its predecessor, the Solar Energy Research Institute (SERI), Jorgensen has managed the Laboratory's work on numerous solar thermal energy programs. He is an expert in optical thin films design, optical measurements and analysis, radiometric modeling, structural and thermal analyses, mechanical testing, and the reliability testing of materials and devices. Jorgensen holds or shares seven patents, including the one for ReflecTech[®] Mirror Film.

ReflecTech CTO Gee, who has known and worked closely with Jorgensen for more than 25 years, said having him in residence is delivering immediate benefits: "We are at a critical point in the production ramp-up of our mirror film. Having Gary here on a daily basis, able to weigh in on technical issues, or directly speak to customers, is a great advantage. Having his extensive knowledge and experience available to us at all times is a big boost."

"Gary Jorgensen's assignment to ReflecTech at this critical stage demonstrates NREL's commitment to supporting our industry partners and expanding the nation's use of clean concentrating solar power at a utility scale," said David Mooney, director of NREL's Electricity, Resources, and Building Systems Integration Center. "This assignment directly supports the Laboratory's mission to accelerate innovations into the marketplace and make renewable energy more cost-competitive."

ReflecTech CEO Dr. Arnold Leitner summed up Jorgensen's contribution: "Gary's work with Randy on ReflecTech[®] Mirror Film was visionary. As this transformational product enters the market, the testing and development that ReflecTech conducts with NREL are critical to our success as they offer unimpeachable third party assessment of what we're doing. We don't mind putting our technology, literally, into the bright Sun of NREL's measurements and analysis because, after all, that's where it will have to perform. Access to NREL and its tremendous resources is why our R&D center is located within ten miles of the Lab."

Jorgensen will be in residence at ReflecTech through 2009.

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ReflecTech, Inc. markets ReflecTech® Mirror Film which is used primarily to reflect sunlight onto the receivers of Concentrating Solar Power (CSP) collector systems such as parabolic troughs, parabolic dishes, and central receiver heliostats. ReflecTech® Mirror Film also has application in concentrating photovoltaic (CPV) systems, and other emerging CSP technologies such as linear Fresnel reflectors. ReflecTech® is the only high-reflectance mirror film proven for outdoor applications. ReflecTech® Mirror Film was developed in partnership with the National Renewable Energy Laboratory (NREL) in Golden, CO. All technology rights for solar applications are owned by ReflecTech, Inc.

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