Concurrent Technologies Corporation Wins Silver Edison Award for its Water Purification Invention

System for Laundry and Shower Recycle/Reuse, SYLAS-R2, Recycles 90% of Greywater

Concurrent Technologies Corporation's (CTC's) System for Laundry and Shower Recycle/Reuse (SYLAS-R2™) has won a silver 2016 Edison Award in the Energy & Sustainability (Re-Use & Reclamation) category for a system that effectively recycles 90% of greywater generated by large commercial, governmental or institutional users. Concurrent Technologies Corporation's SYLAS-R2 was developed for the U.S. Department of Defense to reduce water resupply needs at forward operating bases and is now being made available to various shower and laundry-intensive facilities such as hospitals, hotels, prisons and universities. Greywater is wastewater generated from such sources as sinks and clothes washers, and the invention's societal impacts include accelerating compliance with national water reuse standards and conserving water, which also can reduce sewage and water costs.

CTC's Ed Sheehan, Jr., Michel McCluskey, and T.J. Piro attended the awards gala and accepted the 2016 Silver Edison Award for SYLAS-R2.

Frank Bonafilia, Edison Awards' executive director, said that the awards recognize "game-changing products and services and the teams that brought them to consumers."

Winners were announced by Edison Awards on April 21 at the 29th Annual Edison Awards Gala in New York.

Accepting the award for Concurrent Technologies Corporation were the company's President and Chief Executive Officer, Edward J. Sheehan, Jr.; Principal Design Engineer, Michel McCluskey; and SYLAS-R2 Project Manager, TJ Piro. Other inventors who made the project a success are Daniel Lieb, David Berkey, Jennifer Kronick, and Paul Brezovec.

"This is Concurrent Technologies Corporation's second Edison Award, and that never gets old," said Sheehan. "This prestigious award is highly sought after, and we are honored to have been chosen. We are especially proud of this invention because it has already proven itself valuable to the Department of Defense where it can reduce water resupply needs at forward operating bases. Because SYLAS-R2 conserves water and is capable of achieving 90% greywater recovery while exceeding potable water quality standards, it is also an excellent fit for nursing homes, multi-unit residences, universities, prisons, hotels and similar places where it can best serve society."

SYLAS-R2 relies upon a three-stage temperature-tolerant filtration sequence. Its uniqueness comes from incorporating separation media not traditionally used in water filtration. In addition, SYLAS-R2 uses customized control logic to optimize backwash recirculation and increase the overall processing rate. Finally, a unique energy recovery device at the reverse osmosis filtration stage dramatically reduces the system's overall energy consumption.

Concurrent Technologies Corporation and Carnegie Mellon University's National Robotics Engineering Center won a Gold Edison Award for the Advanced Robotic Laser Coating Removal System in 2013.