The Mississippi Forensics Laboratory (MSFL), a division of the Mississippi Department of Public Safety, provides professional forensics services to the State of Mississippi. The MSFL system consists of a main laboratory in Jackson and three regional labs in Batesville, Gulf Coast, and Meridian. The Batesville lab specializes in firearms and tool markings, questioned documents, toxicology, trace evidence, latent prints, bioscience, and controlled substance identification.

Reliable Controls Authorized Dealer Tri-Star provided a complete building automation system retrofit for the MSFL office in Batesville. Tri-Star installed 16 MACH-ProAir controllers for variable air volume units. Each controller has one universal input, two solid-state relay outputs, an actuator, and a flow sensor. Additionally, Tri-Star implemented several MACH-ProPoint expansion modules. The networked controllers and expansion modules operate a 30-ton split system with economizer, a boiler, two pumps, and a 20-horsepower air compressor.

Tri-Star developed a ventilation sequence of operation for mixing hoods and testing areas that optimizes occupant comfort while keeping utility costs low. With the new system, MSFL will see significant energy savings — enough to cover the cost of the retrofit within 2 years.

Tri-Star technicians were able to meet every need and accommodate the operations schedule of the MSFL in Batesville. Reliable Controls and Tri-Star are delighted with the outcome of this project.

To learn more about projects using Reliable Controls, visit www.reliablecontrols.com/projects/overview