

# JOHNSON CONTROLS BATTERY RECYCLING FACILITY FLORENCE, SOUTH CAROLINA



The Johnson Controls Battery Recycling Facility is a 440,000 square foot fully-integrated lead battery recycling facility located on 270 acres in Florence, South Carolina. Utilizing the Design-Bid-Build delivery method to produce the multi-phased project, the project team at Carlisle Associates worked closely with the Owners management team to coordinate the design of the facility simultaneously with the fast track procurement and integration of process and material handling equipment in order to meet the demanding construction schedule.

The project team used various strategies to implement green technology including Day-Lighting, low VOC sealants and coatings, protection and restoration of wildlife habitat as well as state-of-the-art indoor environment controls to provide a comfortable and productive indoor space for its occupants. The multi-area building is constructed with a conventional steel and precast structural system supporting an energy saving high-albedo single-ply membrane roof.

Other energy efficient strategies that are employed in the project include an innovative storm water management systems that recycle storm water for use as process water and grey water for restrooms.

Ground breaking for the facility was held in January 2011 and operations began in July of 2012. When completed, the innovative processing facility will be the first such new facility permitted in the USA in two decades.