



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Apache	BMTI / Arizona Electric Power	LBIS designed, supplied and installed an additional vacuum/pressure collection and transfer system.	\$1,800,000	2009
Bowen	BMTI/ Georgia Power	LBIS EPC project for system to transfer fly ash to conditioning equipment at a new landfill location. New pneumatic conveying system distance 6,000 feet at 250 tph capacity.	\$3,000,000	2012
Bowen	BMTI	LBIS design project for the Fly Ash Mass Storage Dome, rail loadout, truck loadout and Transfer System.	\$445,000	2016
Bowen	BMTI	LBIS EPC project for the Dome Fly Ash Recovery System.	\$974,000	2016
Bowen	BMTI	LBIS designed new piping, supports, stair tower and stair tower foundation for a group of four existing 2000-ton capacity, concrete fly ash silos. The design had to accommodate removal of old equipment and installation of new equipment while maintaining uninterrupted operation of the silo facility.	\$166,000	2017
Canadys	SCE&G	LBIS EPC project for Unit 3 dry ash collection, vacuum/pressure dense phase pneumatic conveying, one 1200-ton silo, truck load out system and ash conditioning system.	\$4,100,000	2007
Canadys	SCE&G	LBIS disassembled a 1200-ton silo and dry truck loadout system and relocated them to the Wateree Station.	\$550,000	2014



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Coal Creek	BMTI	LBIS designed and supplied equipment for a fly ash classification facility to produce an ultrafine Pozzolanic mineral additive for high strength concrete.	\$1,145,000	2020
Coletto Creek	BMTI	LBIS EPC project for a second fly ash storage silo. The silo was built for the ash marketer as supplemental storage. The silo is a 1000-ton capacity bolted and gasketed tank with a 60° cone bottom.	\$750,000	2005
Coletto Creek	Alstom	The precipitator was replaced with a baghouse by Alstom. LBIS was contracted to extend the vacuum side of the existing ash conveying system to include the new baghouse hoppers.	\$575,000	2006
Coletto Creek	GDF Suez	LBIS installed a Clyde-Bergemann designed and supplied ACI system.	\$843,000	2015
Covel Gardens	Waste Management	LBIS installed equipment supplied by others.	\$330,000	2011
Cumberland	SEFA	LBIS supplied and installed truck loadout systems on two existing concrete silos; including truck scales, conveying and vent systems, controls and an operator's control room.	\$550,000	2003
Edinburg	Santana Textiles	LBIS designed the “balance of plant” for a 325 cubic meter per day waste water treatment facility at a textile manufacturing and dyeing plant. The treatment facility incorporated physical, chemical and biological treatment of wastewater prior to discharge to the city of Edinburg’s waste water system.	\$275,000	2011



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Erickson	Lansing Board of Water and Light	LBIS designed an enclosed fly ash flat storage metal building with concrete perimeter walls which receives material from the power plant via pneumatic conveying piping. The building is unloaded via a front-end loader to a drag chain conveyor which feeds a pneumatic conveying system to the silos.	\$100,000	2003
Fayette	Waste Management / LCRA	LBIS EPC contract to segregate Unit 1 economiser ash prior to mixing with the fly ash. A cyclone separator intercepts economizer ash from the vacuum conveying line and discharges it to a storage silo. Economizer ash is then moistened and loaded into dump trucks.	\$1,040,000	2019
Gadsden	Alabama Power	LBIS EPC contract for the wet to dry fly ash conversion of Plant Gadsden. The project included a 500-ton dry ash silo, vacuum collector and airlock, new vacuum pump, fly ash conditioner, truck scale, foundations, piping, electrical and instrumentation. The system is designed for 20 tph of dry ash collection from two precipitators; one on the powerhouse roof and one at ground level.	\$1,400,000	2004
Galveston	US Minerals	The project scope included bagging, truck loading and railcar loading systems for granular slag. LBIS designed mechanical conveying systems including feed hoppers, belt conveyors, a bucket elevator, and associated equipment including steel framing, foundation design, electrical power and controls. LBIS performed mechanical installation of the equipment.	\$520,000	2021



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Harvey	US Minerals	The project scope included storage, screening, bagging and truck loading systems for granular slag. LBIS designed the silos and mechanical conveying systems including feed hoppers, belt conveyors, bucket elevators, loading spouts, dust collectors and associated equipment including steel framing, foundation design, electrical power and controls. LBIS supplied four silos.	\$590,000	2022
Kemper	Southern Co	LBIS designed and supplied a pneumatic conveying system for IGCC coarse ash. Utilized 700 psi nitrogen for conveying gas.	\$1,250,000	2011
L'Anse	Certainteed	LBIS provided onsite assessment and conceptual engineering for perlite ore – mechanical conveying and storage, expanded perlite – pneumatic conveying and storage, compressed air systems and natural gas systems. Piping layouts, budgetary cost estimates and a preliminary construction schedule were included.	\$114,000	2019
Labadie	MRT / Ameren	LBIS EPC project to install two dense phase conveying vessels and a transfer air compressor under existing truck loadout silos and convey fly ash through a 1200ft pipeline to a 10-ton capacity hopper and rail loading equipment adjacent to a remote rail track.	\$1,250,000	2006
Metro Park East Landfill	Metro Waste Authority	LBIS EPC project to install a fly ash storage and ash conditioning system for landfill stabilization.	\$2,000,000	2013
Mill Creek	Charah	LBIS provided labor, equipment, and materials to install all electrical equipment associated with modifications to two existing Fly Ash Silos.	\$300,000	2010



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Miller	Alabama Power	LBIS EPC contract for three fly ash storage silos, pneumatic conveying equipment and a fly ash conditioning system.	\$4,200,000	2006
Miller	Alabama Power	LBIS provided engineering to modify the existing combined Unit 3 & 4 Precipitator Hopper Transfer System in order to perform at a design rate of 62.5 TPH. LBIS supplied new air intake valves, new vacuum ash piping, two vacuum ash collectors, two dense phase conveying vessels, two new vacuum blowers and an air dryer.	\$1,370,000	2020
Miller	BMTI	LBIS provided complete design of two 10,000-ton capacity storage silos, reclaim systems, conveying systems and loadout silos. LBIS supplied the reclaim systems, vacuum collector and pressure vessels. LBIS performed start up services.	\$1,440,000	2020
Nacogdoches	Southern Co	LBIS performed an equipment study. LBIS supplied and installed system modifications to improve performance of an existing national brand ash system.	\$680,000	2014
Nixon	Colorado Springs Utilities	LBIS designed, supplied and installed mechanical equipment to convey hot economizer ash from the economizer ash hoppers to an existing Bottom ash drag conveyor.	\$500,000	2003
Nixon	Colorado Springs Utilities	LBIS EPC contract to replace an existing double shaft type ash conditioner with a turbine mixer to solve a problem with rapidly hydrating fly ash.	\$215,000	2003
Petersburg	IP&L	LBIS designed, supplied and installed the Units 1&2 dry ash conversion system, with vacuum/pressure dense phase pneumatic conveying over 3000 ft to existing fly ash silos.	\$2,700,000	2006



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Phoenix - 19th Ave	SRMG	LBIS designed, supplied and installed new air pad trays on the floor of an existing 5000-ton concrete silo and external discharge valves and air slides to an existing bucket elevator.	\$154,000	2006
Robinson	Charah/ Progress Energy	LBIS designed, supplied and installed a dry ash conversion system, with vacuum/pressure dense phase pneumatic conveying over 2000 ft to existing fly ash silos. Complicated site conditions due to adjacent nuclear generating unit.	\$3,300,000	2007
San Antonio	BMTI	LBIS designed, constructed, and provided test equipment for a modern high-tech materials testing laboratory.	\$800,000	2001
San Antonio	Superior Sand	LBIS reconditioned Frac Sand loadout systems.	\$48,000	2020
Sandow	ALCOA / Texas Utilities	LBIS designed, supplied and installed a 1,000-ton capacity supplemental fly ash sales silo.	\$860,000	2003
Sandow	BMTI / ALCOA	LBIS designed, supplied and installed a fly ash classification facility to produce an ultrafine Pozzolanic mineral additive for high strength concrete. (100%<10μ). The plant design and equipment selection were based on extensive laboratory material testing, classifier equipment evaluation and the operation of a pilot scale facility at the plant.	\$1,000,000	2004



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Scherer	Georgia Power	LBIS designed, supplied and installed four vacuum/pressure dense phase collection/transfer systems to collect fly ash from Units 1&2 and convey it to previously installed silos.	\$554,000	2003
Scherer	BMTI / Georgia Power	LBIS designed, supplied and installed a 10,000-ton capacity bolted and gasketed tank for the storage of class C fly ash. The tank receives ash from the power plant pneumatic transfer system. Ash is recovered by a floor mounted LBIS vacuum retrieval system which uses an array of aeration elements and vacuum nozzles to aerate and pull the ash to the associated vacuum filter/collector. The ash is transferred by pressure to another silo in the plant for truck and rail loading.	\$1,950,000	2003
Scherer	BMTI / Georgia Power	LBIS EPC project for a classifier process, pneumatic conveying system and storage silo to produce a fine mineral filler.	\$600,000	2005
Scherer	BMTI/ Georgia Power	LBIS design and partial supply project for pneumatic dense phase conveying of fly ash from existing plant collection equipment to a new landfill location. Conveying distance was 3600 ft with two 100 tph capacity pipelines.	\$470,000	2014
Scherer	BMTI	LBIS provided engineering and design for fly ash and economizer ash storage, reclaim, loadout and classification systems, including a 10,000-ton fly ash silo. LBIS supplied and installed all mechanical equipment to reclaim fly ash from the 10,000-ton silo and convey it to the loadout silo. LBIS supplied and installed all mechanical equipment for dry and conditioned ash loadout. LBIS supplied classification equipment.	\$3,124,000	2017



PROJECT EXPERIENCE LIST

PLANT	CLIENT	SCOPE of PROJECT	VALUE	DATE
Seminole	BMTI	LBIS designed a fly ash transfer, storage and loading system to convey fly ash from the power plant and two existing silos to a new 1,000-ton capacity storage silo and truck loadout. LBIS supplied and installed the silo and supplied the mechanical equipment.	\$1,300,000	2019
Trimble County	UGS/KU	LBIS designed and supplied a river barge loading system for fly ash.	\$536,000	2012
Wateree	SCE&G	LBIS EPC project to re-erect 1200-ton silo and dry truck loadout system from Canadys.	\$250,000	2014
Watson	Mississippi Power	LBIS provided design, supply and installation for wet-to-dry fly ash conversion of Unit 5 (550 mw) and Unit 4 (200 mw). The project included collectors, transfer vessels, 1,250 feet of low-pressure ash transfer piping, a new 1,500-ton silo and all associated equipment. The system is designed to move 66 TPH of fly ash and it exceeded design criteria in performance tests. The silo withstood a direct hit from Hurricane Katrina.	\$2,540,000	2003