

LOUISIANA'S BEST OF

2006

New Central Control Room Structure, Valero Energy, Krotz Springs, La.

AWARD OF EXCELLENCE – Electrical & Instrumentation



In August 2005, Triad Electric & Controls Inc. of Baton Rouge was awarded a \$460,000 contract at Valero Energy Corp., Krotz Springs' refinery for a new Central Control Room. While considerable challenges and complications were encountered during the project, the Triad team's

resourcefulness and proactive approach allowed them to achieve all client objectives even as the overall schedule was significantly impacted by two major Gulf Coast hurricanes.

Due to the critical nature of converting two operating control rooms into one Central Control Room, an extensive preparatory phase was essential. The following provides an overview of the components of this phase:

- Nearly three weeks prior to the start of construction Triad met with the owner, associated engineer and other contractors to align schedules and set start date.
- Site specific safety procedures were created for each phase of cutover and for

Key Players

Owner: Valero Energy Corp., Krotz Springs, La.

Contractor: Triad Electric & Controls Inc., Baton Rouge, La.

Cost: \$460,000

the project as a whole.

- Communications among all parties were developed.
- Purchase of material to coincide with start of work completed.
- Prioritized tasks to meet schedule demands.

The most critical element of the project was the "Hot Cutover" of the refinery operating units. This had to be accomplished without failure.

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Xavier University Katrina Restoration, New Orleans, La.

AWARD OF EXCELLENCE – Hurricane Reconstruction



Landis Construction Co. was vital to the survival of Xavier University following Hurricane Katrina. It was imperative that the school re-open for the 2006 Spring Semester or the university may have never opened its doors again.

Working without any as-built drawings and no architect, Landis renovated

1,166,344 sq. ft. of interior space in only four months. Twenty-one of Xavier's main buildings suffered major damage by flooding and roof loss after the hurricane.

After sitting in more than 6 ft. of contaminated water for months following the hurricane every building and interior item was inundated with mold and mildew. Though ordering and receiving supplies was challenging due to many of the suppliers having lost their business, more than 200,000 sq. ft. of plaster was used to replace walls and ceilings, along with more than 350,000 sq. ft. of sheetrock, 140,000-plus sq. ft. of acoustic ceilings and grid.

All flooring in each building was replaced using more than 30,000 sq. ft. of

Key Players

Owner: Xavier University, New Orleans

Contractor: Landis Construction Co. LLC, Jefferson, La.

Cost: \$50 million

carpet, enough to cover 39 football fields. More than 75,000 sq. ft. of vinyl tile replaced much of the flooring in various facilities across the campus.

All of the campus' electrical had to be replaced. For more than two months, half the life of the project, work had to take place using only generators, making work on upper level floors a daunting task.

Also, about 400,000 sq. ft. of exterior brick was cleaned to remove the stains of contaminated water.

LOUISIANA'S BEST OF

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First Emanuel Baptist Church, New Orleans, La.

AWARD OF EXCELLENCE – Hurricane Reconstruction

PHOTO BY IAN WAGREICH PHOTOGRAPHY



When Hurricane Katrina swept through New Orleans, First Emanuel Baptist Church opened its chapel doors to those who sought refuge from the storm, until they were ordered to evacuate. The destruction of Hurricane Katrina left the 1,200-member congregation with a se-

verely damaged place of worship, leaving many of their vital community service programs unable to function and hundreds of its members scattered across the country.

The church's strong structure survived, but the roofs of the chapel and gymnasium were damaged by wind and rain. Leaking water created problems with plaster and drywall, ceilings and floors, including mold. The bell tower was also damaged.

ABC's Extreme Makeover: Home Edition partnered with DonahueFavret Contractors Inc. to help repair, restore and make enhancements to the house of worship.

The project required an immense amount of pre-planning and coordina-

Key Players

Owner: First Emanuel Baptist Church, New Orleans

Contractor: DonahueFavret Contractors Inc., Mandeville, La.

Cost: No cost - completed with donations

Architect: Duplantis Design Group, Thibodaux, La.

tion. DonahueFavret contacted subcontractors throughout the area, who responded overwhelmingly to the call to volunteer both supplies and manpower at a time when both were in shortage in south Louisiana.

The renovation of the church consisted of four areas: the exterior of the building, the sanctuary, the gym/classroom/nursery and the kitchen/pantry area.

LOUISIANA'S BEST OF

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Murphy Oil Hurricane Katrina Recovery Project, Mereaux, La.

AWARD OF EXCELLENCE – Hurricane Reconstruction



On Aug. 26, 2005, Hurricane Katrina was churning in the middle of the Gulf of Mexico – hundreds of miles from land and posing no immediate threat to any

one particular location.

Yet a team of personnel at Basic Industries Inc. was in the company boardroom that very day – calling clients across the Gulf region, confirming emergency contact numbers and pre-planning with customers.

In the first week of September, Basic was contacted by Murphy Oil USA Inc. to help assess damages at its refinery in Mereaux, La., just outside of New Orleans. Although Basic has a maintenance contract with Murphy Oil, this assessment was the initial phase of what would turn out to be a \$15.2 million recovery effort in which Basic would play the leading role in providing an extensive array of multi-craft services.

Key Players

Owner: Murphy Oil USA Inc., Mereaux, La.

Contractor: Basic Industries Inc., Baton Rouge, La.

Cost: \$15.2 million

Engineer: Murphy Oil USA Inc., Mereaux, La.

The Murphy Oil plant was severely damaged by Katrina's winds and deluged with 8 ft. of water from the storm surge.

Phase one of the project began with a team of Basic personnel arriving on site to evaluate damages. The team made their way through muck and around mounds of debris to tour the entire site, which spans approximately 300 acres.

Phase two of the project consisted entirely of clean-up and removal/repair of insulation.

LOUISIANA'S BEST OF

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Air Products & Chemicals Recovery Project, New Orleans, La.

AWARD OF EXCELLENCE – Hurricane Reconstruction



Following Hurricane Katrina, Basic Industries was awarded a \$6.2 million contract in August 2005 as part of a multi-million dollar recovery effort at the Air Products plant in New Orleans.

The profound destruction to the facility resulted in a production halt of the entire plant, which in turn immediately

influenced the nation's hydrogen product supply. Following the storm's destruction, Air Products contracted with Basic for an accelerated recovery effort. The total process output loss to the owner was approximately \$90 million.

Basic Industries' ability to assume the lead in safety, clean up, communication logistics, scheduling and quality control led to the successful completion of this monumental recovery project.

Preplanning on Basic's part proved to be significant. The Basic team held a "kick-off" meeting at its Baton Rouge headquarters upon learning of the storm's impending threat to the Gulf Coast. Following a preliminary assessment for New

Key Players

Owner: Air Products & Chemicals, New Orleans

Contractor: Basic Industries Inc., Baton Rouge, La.

Cost: \$6.2 million

Engineer: Air Products & Chemicals, New Orleans

Orleans, the experienced team was charged with addressing the disaster-related project from an industrial perspective and with the unusual task of constructing onsite living quarters for craftsmen.

At a time of state-wide shortages and disorder, Basic assisted with the assessment and organization of rebuilding 18 homes belonging to Air Products management, i.e., residences were stripped, new roofs installed, etc.

Many of the tasks performed by Basic were atypical of its routine scope.

LOUISIANA'S BEST OF

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New Orleans Unwatering Project

AWARD OF EXCELLENCE – Hurricane Reconstruction



When the country looked to the U.S. Corps of Engineers to undertake the enormous challenge of unwatering New Orleans, USACE turned to The Shaw Group Inc. to accomplish the overwhelming mission. The contractor mobilized on scene immediately to install more than 250 diesel-powered pumps that were trans-

ported from across southern Louisiana.

Shaw worked quickly to remove water around the city's network of 29 permanent pump stations, all of which suffered severe water and wind damage, rendering them inoperable. The largest of these stations contained 16 separate pumps. Shaw not only cleared these pump stations of floodwater but worked to clean and repair the stations.

As permanent pump stations came online and water levels were drawn down, Shaw used the portable pumps to unwater specific neighborhoods, clear roads and underpasses, and support related recovery efforts. Extensive flooding rendered many roads and streets impassable.

The Shaw team used helicopters to

Key Players

Owner: U. S. Army Corps of Engineers, New Orleans

Contractor: The Shaw Group Inc., Baton Rouge, La.

Engineer: U. S. Army Corps of Engineers, New Orleans

identify vehicular routes, sight the best locations for pump placement and in some cases airlift the pumps into place.

Temporary pumps operated 24 hours a day, with Shaw managing all staging, fueling and maintenance of equipment. Peak pumping rates exceeded 1 million gallons per minute and the combination of temporary and permanent pumps allowed for the removal of more than 50 billion gallons of water in 17 days.

nstructors.

LOUISIANA'S BEST OF

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International Matex Tank Terminals, Ring Walls & Site Work, St. Rose, La.

AWARD OF EXCELLENCE – Infrastructure



The International Matex Tank Terminals Concrete Ring Walls & Site Work project was bid just prior to the devastating effects of Hurricane Katrina on southeast Louisiana.

The project included the following work: clearing & grubbing, sand fill &

compaction, subsurface drainage improvements (corrugated metal pipe and pre-cast concrete catch basins), concrete ring wall construction, river and masonry sand installation inside completed ring walls, earthen dike containment, new drainage ditch construction and limestone roadway installation.

The timing of the award presented some very unique challenges to completing the project.

Since the hurricane necessitated a widespread evacuation of the metro area, many of Barriere's employees were dispersed across the country. The unlivable conditions in much of metropolitan New Orleans meant many of the company's

Key Players

Owner: International Matex Tank Terminals, St. Rose, La.

Contractor: Barriere Construction Co. LLC, New Orleans

Cost: \$2.1 million

Engineer: Wink Cos. LLC, St. Rose, La.

workers were unable to come home.

Communications were still so problematic that the whereabouts of many of Barriere's people were unknown. Many Barriere employees who had returned found they had lost everything in the storm, including their homes. Even those workers who were able to return to work were spending many hours per day driving from distant locations to get to-and-from work.

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Sacred Heart Catholic Church, Broussard, La.

AWARD OF EXCELLENCE – Private Architecture



The groundbreaking for the new addition to this Catholic Church was almost 50 years to the day from the ground

breaking of the existing church. In the last 50 years, the original community has grown from a rural outpost to an integral part of the surrounding area. Addressing the needs of the people and the parish, as well as respecting the campus within which the project was situated, were the basic challenges encountered during the design process.

The building committee's original program placed the future facilities behind the existing church in order to preserve the historic façade. Through the discovery process, it became apparent that the public nature of the building program needed to address the public side of the campus.

Inspired by the historic campus of the

Key Players

Owner: Sacred Heart Catholic Church, Broussard, La.

Architect: Abell+Crozier Architects, Lafayette, La.

Cost: \$2.4 million

Contractor: C.M. Miciotto & Son Inc., Lafayette, La.

existing church and evolving needs of the parish, the design response respectfully incorporates existing elements into a reorganization of the campus to further promote community by adding to the church a narthex, framed by side courtyards, an administrative building and a parish life center.

Marking the transition space from the existing church into the new narthex is a baptismal font created to blend the existing font into a liturgically inspired full emersion pool.