

CAJUN CULTURE

Every employee that works at Cajun takes pride in their ability to perform work safely; however, some go above and beyond with their commitment to safe work. This commitment is well known in the Cajun family as our “Cajun Culture”. **Chase Duplechain**, a drilled shafts equipment operator from Port Barre, Louisiana, is a testament to Cajun’s culture of providing a quality product with a constant goal of zero incidents.

Hazard recognitions documented on projects are a key to Cajun’s continual success with safety through careful evaluation and elimination of potentially dangerous situations.

In 2017, Chase submitted the most quality hazard recognitions and was **awarded one week of paid time off** for his exemplary safety dedication. Chase is the first Cajun employee to achieve this award since its induction in February of last year.

Chase continued his dedication to safety in 2018. This month, Chase was acknowledged for his outstanding commitment to safety through Cajun’s “Build-A-Rig” program, in which he received a Liebherr die-cast model crane. Chase is the first Drill Shafts employee to receive a model crane. As an employee of only two years, Chase has achieved this award over a very impressive timeline. Chase’s remarkable ability to recognize and mitigate hazards keep the project safe for himself and fellow coworkers.

As part of the Cajun family, Chase’s Cajun culture shines bright through his dedication to keeping the worksite a safe place for all. Thanks Chase!



Travis Parker, Chase Duplechain, Mark Mumford, Kyle Ambeau



Borrowing from an article I recently read about a High School football coach named Bruce Binkley, “All-in’ is a term that gets thrown around quite a bit, especially in the context of athletics.” The article referenced a YouTube video where Head Coach Binkley passionately motivates his football players with the positive effects of giving a 100% effort to the football team. Coach Binkley didn’t just stop with the team, further asking the players to give a 100% effort to everything that matters to them in life – such as their schoolwork, families, friends, significant others and employers. The coach talks about the difference in being all-in versus saying you’re all-in. He goes on to say that most people “...don’t give everything they’ve got. They give 95%...just enough to say, ‘I gave everything I’ve got’. If you give everything you’ve got and you lose, it’s gonna hurt. But it’s yours.” If you have a few minutes, watch the full video and you will be happy that you did.

While talking to a group of Cajun supervisors in a recent START class, I shared parts of Coach Binkley’s message because I believe it is fitting to our business at Cajun – especially as it relates to the safety of our employees and our company safety culture. I asked the supervisors attending the class to think about whether or not they were all-in on safety, and I left them with the positive effects that it can have for our company if as a team, together we’re **all-in**.

Be **All-In** for a safe day...every day!

Scott Callaway – President, Cajun Deep Foundations

SUCCESS AT LYONDELLBASELL

It has been 16 months since we first mobilized for a test pile program at LyondellBasell’s LaPorte facility for the Hyperzone LB-1 Project. Cajun Deep Foundations was contracted by Cajun Constructors Industrial Division out of Houston to install test piles for two static load tests and drive 173 precast concrete piles for a new flare. This was to be the first phase of a much larger project which consisted of a new polyethylene unit. Lyondell contracted Bechtel for engineering, Fugro as the geotechnical consultants and Cajun for the construction which included site work, piling, foundations and mechanical scopes. With all of the different entities involved, establishing a good work flow and construction criteria proved challenging. The flare originally consisted of 40’ and 65’ long precast piles. Upon completion of the 40’ static load test and a PDA of 65’ pile, it was determined that 65’ piles would not be needed due to the high load capacities that were realized. Therefore, CDF had our pile supplier cast additional 40’ piles to complete the flare scope of work.

Performance Contractors was awarded the contract for the new polyethylene unit and Cajun was about to be phased out on the project. We often see Performance as a direct competitor, but there is a loophole that exists. Performance does not self-perform deep foundation work. With this news, Cajun management immediately began reaching out to our contacts within Lyondell and Performance in February of 2017. Things went silent and we thought we were out of the race for the piling. We finally established some contact with the decision makers at Performance and were awarded the piling for the entire project consisting of 2,300 piles.

Beginning in March of 2017, CDF began driving piles under the new contract with Performance. In addition to the 2,300 piles, we were awarded a separate purchase order for the Field Operations Building consisting of 77 additional piles. In total, CDF drove 2,547 precast piles for the Hyperzone Project with over 38,000 safe man-hours worked and contracts totaling \$6,800,000.

CDF was recognized and nominated by the Houston Business Roundtable receiving the Bronze Level Safety Excellence Award.

Congratulations to the crews and all involved in making this another safe and successful project!

Burt Ogilvie - Project Manager



WEEKLY HAZARD RECOGNITION WINNERS

The 4th Quarter Winner Is....

<u>December</u>	<u>January</u>	<u>February</u>
Eddie Pellegrin	Arthur Jones	Scott Pitre
Uriel Elizondo	James Threeton	Uriel Elizondo
Jeremy Leblanc	Chase Duplechain	Chase Duplechain
Raydell Bland	Jacob Clark	Dashon Lumar
Derrick Alexander	Eddie Pellegrin	JD Fontenot
Arthur Jones	Ronald Drennan	Cody Foux
Floyd Adams	Donald Edwards	Jacob Clark



CHASE DUPLCHAIN

Cajun Deep Foundations’ mission is to be the industry leader creating sustainable value for our clients and for the benefit of our community

TODD WILLIAMS



TODD WILLIAMS

On one of CDF's most recent auger cast piling projects in La Porte, Texas, a demanding schedule required prompt mobilization and teamwork with Cajun Constructors to kick off the project successfully. Part of the team consisted of our onsite surveying crew led by Todd Williams. Todd has an extensive background working as a surveyor. His experience and attention to detail came in handy when the client and owner asked Cajun to establish and verify elevations.

Once arriving on site, Todd noticed some discrepancies regarding the elevation benchmarks that were being used at the job site. Todd had to explain his concerns multiple times to the client and other 3rd party surveying companies. After weeks, and many hours of calls to go through information, the data was finally found that Todd's assumptions were correct. With this, Cajun was able to determine that the current excavation was 2 feet higher than what it was believed to be. Todd stayed positive and confident through all the discussions. Some people did not understand or at times believe Todd's concerns but he stuck to what he knew and saved the client, owner, Cajun Constructors, and Cajun Deep Foundations a big headache.

It turns out this is not the first time Todd has met adversity over surveying discrepancies on a project. While in Conroe, TX last year, a similar instance occurred, in which Todd identified a problem that could have effected nearly every pile on the project. Not only was Todd able to identify the problem, he was able to provide an efficient solution that eliminated any potential issues that could have arose from the initial design.

The site team, Cajun family, client and owner appreciates your dedication to safety and quality. Keep up the great work!

Hunter Landry - Estimator/Project Manager

SWA RECOGNITION



Kris Pitre begins his daily routine by performing inspections on the equipment that CDF utilizes for installation of ACIP piling at the Sasol Mega Project. While looking up at the connection between the auger flighting and the drill motor, Kris noticed what appeared to be a missing bolt in the flanged connection. Kris notified his foreman, Scott Schamberger, who in turn notified their superintendent, Mike Golden.

A Stop Work Authority was put into action! The leads and auger assembly were laid down for a closer inspection. After performing this task, it was discovered that two bolts had broken out of the flange connection.

The FTI Construction Area Superintendent was notified of the inspection outcome. Once FTI heard how Kris used the Stop Work Authority and the significance of this discovery. FTI recommended that CDF submit Kris as a candidate for Sasol's Silver Coin Award. Kris, you have our vote!

The Silver Coin Award is presented to individuals who provide high quality examples of safety awareness intended to eliminate incidents and injuries. Kudos to Kris and the entire CDF Team working at Sasol for continuing to raise our safety awareness bar to the next level!

Thank you Kris for being diligent with your safety awareness.

Rannal Johnson- Site Superintendent - Sasol Mega Project

Cajun Deep Foundations' vision is to be the premier full service deep foundation company providing un-paralleled foundation solutions on land and water.

4 YEARS AT SASOL

Closing out four (4) years in Westlake Louisiana, the Cajun Deep Foundations team continues to make great strides on the Sasol Mega Project. We started in April 2014 with engineering of the Construction Dock on the Calcasieu River; construction later began in October of that year. In November 2014, Cajun Constructors mobilized on the site of the new Lake Charles Chemical Plant (LCCP) Site, Cajun Deep Foundations mobilized in January 2015. Today we continue with same focus on safety that our team has set the standard for in the pile driving industry.

As of March 2018 the Deep Foundations team eclipsed 900,000 Manhours with ZERO OSHA Recordables, in doing so accomplished, and installed the following:

- 2,400,828 Sq. Ft. of Sheet Piles (Permanent & temporary) building over 60 cofferdams & retaining structures
- 13,396 EA of Prestressed Concrete Piles for over 321 foundations
- 5,930 EA of Auger Cast in Place (ACIP) Piles for over 126 foundations
- 210 EA Environmental Piles
- 1,157 EA Drilled Displacement Pipes (DDP) for 21 foundations
- 81 EA Drilled Shafts for various pipe rack foundations
- Mobilized 37 cranes and or drilled shaft equipment
- Employed over 500 supervisors and craftsmen
- Retained 179 of the 500 that are current employees of Cajun Deep Foundations
- Trained and promoted 51 direct employees (pile driver helper to pile driver to foreman, equipment operators to pile driving crane operators), 14 field staff (foreman to area superintendent), and 15 indirect staff (area superintendent to project superintendent, general superintendent to project manager, assistant project managers to project managers, and site safety manager to company safety manager)

We accomplished all with a highly incentivized safety program with rewards for the best safety audit composite score monthly and...

- ✓ Crew(s) of The Week receiving gift cards
- ✓ On the spot recognition and rewards for quality hazard recognitions
- ✓ Fully catered safety lunches monthly to thank the crews for their continued efforts and focus on safety
- ✓ “Foreman of the Month” a *Yeti Hopper* ice chest full of prime steaks and stuffed potatoes.

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: *At 500,000 manhours we catered an offsite lunch at a local park and gave the crew the rest of the day off, paid by Cajun* :
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The Sasol Project has presented multiple opportunities for advancement for our employees and likewise presented many challenges. When we tripped up, we learned from our mistakes and shared with all our faults; but always used it as a teaching tool, not a disciplinary measure. We also always reminded all and taught that our confidence should not overtake us and result in complacency or normalization. Quoting Neil Swidey and one of the points of Neil’s book (“Trapped Under the Sea”):

“Injuries and deaths tend to happen late in projects, when confidence runs high and tolerance for delay dips especially low. This springs from a phenomenon known as normalization, which, in this case, allowed people to accept looser standards in the name of greater speed. The more people do something without suffering a bad outcome, the harder it becomes for them to remain aware of the risks associated with that behavior.” - <http://www.trappedunderthesea.com/>

This phenomenon was discussed many times in our staff meetings, safety meetings and training topics. Unfortunately, we saw other contractors on site pushed into this hole with the constant demand of the project being a schedule and cost driven job. However, our team did not bend to such and even turned away more work to keep our core values in place.

Many thanks to all in the field that contributed to our success.

Chip Dupuy – Senior Project Manager

1,100+ DRILLED DISPLACEMENT PILES COMPLETED AT SASOL

On May 22, 2017, CDF superintendent Phillip Caudle stood at Sasol's Gate 17 ushering in the 110' trailer carrying the first drilled displacement rig (DDP). So began the next era in Cajun Deep Foundations piling. As soon as the rig entered the job site a buzz of pile drivers were upon it, assembling the new machine in preparation of pile installation for ETO & Guerbet Units. At the time of DDP mobilization, the scope of units 35 & 40 was slightly fuzzy. The original design called for 24" diameter auger cast pilings. Knowing the client was concerned about the mitigation of potentially hazardous soils, Cajun convinced FTI that a full displacement pile was a more viable option. This pile type would save the project time and money through the speed of installation and lack of spoil removal. When we originally started discussing DDP installation, the scope of work was largely unknown. It was estimated the two units would contain roughly 1,500 piles, combined. Complicating matters, however, was the fact that there were three (3) lateral ground wells at various locations on the site. These were installed many years ago to drain potentially contaminated ground water from the area and reuse in plant processes. The proposed piles within 15' of the ground wells were required to be installed as auger cast due to Sasol Environmental's concern with lateral ground heave during the displacement process.

Shortly after mobilization the DDP crew began installing piles for the test pile program. A total of 10 - 24" DD piles were installed, varying from 36' - 45'. The test pile was 24" X 40' and able to carry a 400 ton load for 5 hours without failure. This exceeds a similar size auger cast piling capacity by *roughly 30%* - a real potential cost savings to a project if pile size could be decreased. The information gathered from the test pile program was then submitted to Sasol for their approval.

On July 27, the first production displacement pile at the Sasol Mega Project was installed. Many eyes from around the project site were watching to see if they had made the right choice in switching from the "tried and true" auger cast pile to the newer-style drilled displacement pile. Over the course of the next 5 months, two rigs would work to install 1,157 DD piles without incident. The estimated savings to Sasol eliminating the removal/disposal of over 5,700 cubic yards of potentially contaminated spoils from the site was close to \$1 million. The proof lies in the pudding as the total scope of work (including ACIP) grew to 1,833 pilings. CDF is currently on track to complete the installation within the original budgeted value for 1,500 piles.

Cajun Deep Foundations has received much praise for bringing DDP to the Sasol expansion. FTI's Tony Weider has said multiple times, "I can see the money being saved with this DDP operation." Sasol unit manger Rendell Newton has also commented how the displacement operation limited congestion in the work place by eliminating much of the spoil handling and increased efficiency of operation. We would like to thank all of those who were part of the DDP process and the learning curve involved with a new operation. The Sasol job reinforced the amazing skillset we have to sell, perform, and improve on the new type of piling capabilities in our arsenal. And last but certainly not least, we proved ourselves leaders in the industry eclipsing the 900,000 safe man-hour mark at Sasol with zero recordables.



Evan Kaiser - Assistant Project Manager

ST. CHARLES POWER STATION – 3times

The St. Charles Power Station is a new 980MW combined-cycle gas turbine (CCGT) power plant under construction in Montz, Louisiana. It is expected to become one of the cleanest and most efficient power plants of Entergy Louisiana, when operational in 2019.

Cajun Deep Foundations was given the contract by Cajun Constructors to install timber and helical piles with Entergy Services for the St. Charles Power Station Transmission Project shortly after the construction for the new Power Station broke ground in November 2016. The Transmission Project was an upgrade to replace existing high voltage lines and add additional lines to enhance reliability and increase transmission capacity for the St. Charles Power Station. Cajun Deep Foundations completed their scope of the Transmission Project on January 15, 2017.

St. Charles Power Station Transmission Project

Completed Scopes:

- Installed 300 each 40' timber piles
- Installed 73 each 60' timber piles
- Designed and installed 60 each 3" OD x 40' long grouted helical piles

On August 28th, 2017 Cajun Deep Foundations was awarded its second contract for the St. Charles Power station by Dashiell to install drilled shafts for the new switchyard required for the new power station. Cajun Deep Foundations mobilized for this project on February 14, 2018 and is set to complete their scope of work in mid-March of 2018.

Entergy 230kV GSU Switchyard Project

Contract Scopes:

- 33 Ea. 36" diameter x 18' long drilled shafts
- 3 Ea. 72" diameter x 28' long drilled shafts
- 6 Ea. 72" diameter x 37' long drilled shafts

On February 19, 2018 Cajun Deep Foundations was awarded a third project for the St. Charles Power station by LE Bell to install drilled shafts for the St. Charles Meter Station. LE Bell is performing the majority of the work for Gulf South Pipeline Company, LP who was awarded this project. This project will consist of installing approximately 900 feet of 16-inch natural gas pipeline and other auxiliary, appurtenant facilities for the St. Charles Power Station. Cajun Deep Foundations plans to mobilize in mid-April 2018 to early May 2018 for this project.

St. Charles Meter Station

Contract Scopes:

- 4 Ea. 30" diameter x 25' long drilled shafts
- 5 Ea. 24" diameter x 20' long drilled shafts
- 4 Ea. 24" diameter x 25' long drilled shafts
- 4 Ea. 30" diameter x 40' long drilled shafts



Cajun Deep Foundations has been given the opportunity to contribute to the St. Charles Power Station Expansion Project in three different phases. Being awarded three projects for the same expansion project with different scopes and clients each time really shows the diversity of Cajun Deep Foundations. This diversity, strong safety culture, and quality work has helped Cajun Deep Foundations maintain and gain new relationships with clients and owners. These qualities show that Cajun Deep Foundations continues to move in the right direction and find different ways to be successful.

Alex Walker – Project Manager

COMMITMENT

INTEGRITY

TRUST

RESPECT

TEAMWORK

COMMUNICATION

LOYALTY