



GENSETS

TOTAL INTEGRATION OF YOUR CUSTOM PACKAGING & POWER GENERATION NEEDS

 FIBREBOND®

OUR MISSION

Fibrebond builds innovative and reliable structures that protect people and mission-critical equipment. As a team of dependable and experienced individuals, we work with transparency and customer-focus. We are all accountable for safety, quality and continuous improvement. As a private company, we strive to create a culture that is honest, rewarding and fun.

> WHO WE ARE

Fibrebond has led the way in **developing innovations** in construction using **precast concrete and steel** for more than 35 years. During the emergence of wireless communications, Fibrebond focused on the development of **integrated solutions** to protect sensitive equipment used by the emerging telecommunications industry. In addition, Fibrebond specializes in the manufacturing of concrete and steel structures for use in large-scale utility, power, and data center projects. The company, based in Minden, La., has been **family-owned** and operated throughout its history.

In 2015, Fibrebond once again expanded by purchasing the assets of a **genset enclosure** manufacturer in Illinois. This division of Fibrebond provides custom **power integration** and **packaging solutions** for prime, backup & critical grade customers around the world.

Edelstein, IL

Minden, LA

MANUFACTURING SCALE & PRODUCTION

Located on 180 acres in Northwest Louisiana, Fibrebond is three hours from Dallas and four hours from Houston with a great logistical network within the interstate system and nearby barge access.

MINDEN, LOUISIANA

- 530,000 f² of production space on 181 acres
- Concrete and steel skids & enclosures
- 75,000 square feet of secure high-bay warehouse space
- 48,000 units deployed
- UL-listed facility for UL 142, 2085 and 2200
- Testing and commissioning on site
- Ability to store up to 1,200 enclosures on site

EDELSTEIN, ILLINOIS

- 125,000 f² of production space on 8.5 acres
- Sound-attenuated steel enclosures for gensets
- UL-listed facility for UL 142, 891, 2085 and 2200
- 9,900+ units deployed
- Testing and commissioning on site



WHAT WE BUILD

Fibrebond leads the way in engineering and manufacturing creative and intelligent solutions for the power generation industry. With production capabilities in Edelstein, Illinois, and Minden, Louisiana, we have the greatest production capacity and logistical network in the industry.

➤ INTEGRATED SOLUTIONS

Fibrebond remains committed to custom power integration and packaging solutions for prime, backup and critical-grade customers across the country.

- Multiple generator sets housed in a single, modular power house
- Engine and generator modifications and accessories to meet end-user requirements or preferences
- Switchgear and ATS line ups mounted and cabled in enclosures adjacent to their respective gensets
- Landfill and natural gas unit applications
- Combined heat & power and cogeneration system installations
- Remote radiator and charged air cooler mounting and connections
- After-market emissions equipment installations
- ISO container style packages



> ACOUSTICS

We offer many acoustical requirement options and packages to reduce the environmental sound impact of your generator.

Acoustical options include, but are not limited to:

- Intake and discharge baffles
- Acoustic louvers
- Acoustical intake penthouses
- Directional intake and discharge hoods
- Custom engine exhaust packages
- High transmission block wall designs
- All acoustical products are designed to assure proper air delivery for engine operation

CONSTRUCTION & DESIGN DETAILS

Sound baffles are heavy gauge formed galvanized construction with compression ratios designed to meet specific acoustic applications. All joints and seams are mechanically riveted, no spot welding of any type is allowed in our manufacturing and design process. This design allows for superior structural integrity.

Intake penthouses, acoustic louvers and directional hoods are constructed of the same materials as the main enclosure for matching acoustic performance and aesthetics.

Various wall construction designs, including high transmission block septum's, are available for all acoustic requirements.

Custom engine exhaust designs are available to finish off the total acoustic package whether interior or exterior mounted applications are utilized.

> UL ENCLOSURES

Fibrebond UL Enclosures are built to withstand the effects of severe environments. From polar conditions to desert storms to hurricane winds. With ranges from 5KW to 4500KW, you can depend on our enclosures to meet all of your requirements and beyond.

- IBC labeled
- Formed carbon or galvanized steel construction
- Formed aluminum
- Removable designs to meet rigging restrictions
- Reach in, walk in or walk around designs
- Pre-painted aluminum sheets
- Weather protected
- Sound attenuated
- Insulated
- Non-insulated
- Fire rated
- Wind rated up to 150 MPH
- Motorized intake and discharge dampers
- Aluminum gravity shutters
- Stationary weather protected louvers

WHAT WE BUILD CONT'D

➤ UL 142 FUEL TANKS & UL 2085 FIRE RATED GEN BASE TANKS

We offer fuel tanks up to 15,000+ gallons, that are UL 142 or 2085 listed and perform to the highest ratings in the industry.

Along with our quality tanks we offer a wide variety of options including but not limited to:

- Structural or formed plate construction
- Interior & exterior epoxy paint coatings
- 110-200% rupture basin capacities
- Floor plate in 7 and 10 gauge sheets or 3/16 diamond deck plate
- Welded and removable lifting eyes – 4 point and 6 point
- Fill pumps and couplings for remote tanks and bulk fuel transfer
- Manual fill couplings with spill containment
- Overfill prevention devices
- Audible, visual and remote alarm packages
- Additional spare tank & rupture basin connections to meet any need
- Acoustical barriers
- Drop-deck flooring systems featuring engine fluid containment

WE ALSO OFFER:

- Skid bases
- Dunnage bases
- Heavy duty oil field skid bases
- Super structures for auxiliary equipment applications



GENSET TESTING CAPABILITIES

> LOAD BANKS

- Simplex 3.3MW reactive/resistive load banks
- Simplex 1500kVAR capacitive load banks
- Avtron 600kW resistive load banks
- Avtron 650kW resistive load banks

> TRANSFORMER

- 7.2kVA three phase, 480:13800V, 12470V, 4160V transformer

> FUEL SOURCES

- 1,500g diesel fuel tanks with fuel water separators
- Natural gas, 2" utility line, 45psi at 25,000scfm

> POWER SOURCES

- 120/208/480VAC for accessories power
- Lead acid batteries for 24VDC power

> MEASURING EQUIPMENT

- Dranetz PowerGuide 4400 power quality analyzers
- Fluke 8060A digital multimeter
- Alnor velometer
- Dwyer thermo-anemometer
- Bruel & Kjaer sound level meter
- Extech vibration meter

AS A TEAM OF DEPENDABLE
AND EXPERIENCED INDIVIDUALS,
WE WORK WITH TRANSPARENCY
AND CUSTOMER FOCUS.





DEPENDABLE

Fibrebond has developed **innovative protection solutions** for more than 35 years. During the emergence of wireless communications, we revolutionized the manufacturing of concrete equipment buildings and the integration of customer supplied equipment. With the same **innovative spirit** and **customer focus**, we are developing new applications for the **power, communications** and **data center** markets. With three manufacturing spaces on campus, Fibrebond has more than 530,000 square feet of production space. The 75,000 square foot Installation Center and 2014 addition of an 187,000 square foot production facility serve as a warehousing space for client-supplied equipment and a climate-controlled space for **equipment integration**. Fibrebond headquarters and administrative offices are located on campus to provide increased quality and responsiveness.



EXPERIENCED

Over 175 employees have invested more than 10 years at Fibrebond. This collective experience directly impacts our quality and our responsiveness. All points of a project, from initial design to completion, are coordinated with a single Fibrebond project manager to offer our clients the utmost level of responsiveness. In our 35 plus years, we have supplied more than 48,000 units for the **power, communications** and **data center** markets.



TRANSPARENCY

We excel when our customers need trusted partners, and transparency is the foundation upon which we build such relationships. Our production facilities, our quality processes and our financials are **open to our customers**. It's important that our customers understand our **financial stability**, and our audited financials are available upon request. Customer representatives can also inspect a project at any stage, and we are open to new ideas that may lead to **continuous improvement**.

WE ARE ALL ACCOUNTABLE FOR SAFETY, QUALITY AND CONTINUOUS IMPROVEMENT.

> SAFETY

Our solutions must protect our customers' people and equipment. Similarly, every Fibrebond employee is responsible for protecting themselves and those around them. Our **OSHA safety record** is significantly better than our industry standard, and yearly we renew our corporate commitment that everyone should come to work safe and leave work safe.

> QUALITY

Our comprehensive quality system is ISO-based and customized to each customer's requirements. Each equipment type requires a specific set of **quality inspections**, and we incorporate any **unique requirements** into our quality traveler, which stays with a product throughout its production. Our quality assurance staff monitors both in-plant deficiencies and field warranty items. The information we learn in our quality analysis transfers directly back to our manufacturing teams in an effort to improve our product reliability.

> CONTINUOUS IMPROVEMENT

Fibrebond's production facility is **highly automated** and **precise**. Utilizing **LEAN manufacturing principles** ensures quality and consistency to reduce waste. This allows rapid response to critical needs and the delivery of a **superior product** at the best value.

AS A PRIVATE COMPANY, WE STRIVE TO CREATE A CULTURE THAT IS HONEST, REWARDING AND FUN.

➤ PRIVATE COMPANY

Fibrebond has been **family-owned** and operated throughout its history. The business has no outside investors, and this **stability** gives us a longer-term, **investment-minded focus**. We are not managing for a fiscal quarter, but rather trying to grow our business for a future generation. The owners are actively managing the company every day, and that daily involvement leads to **responsive decisions** that the company will always honor.

➤ CULTURE

We believe that if we focus on the why and how of our daily work, then good results will follow. Fibrebond's culture is one where employees are **empowered** to make decisions and execute them. **Honesty** with each other and with our customers is at the heart of the culture. As the company performs well, every employee, customer and owner stands to benefit from our success.



MEET OUR TEAM

GRAHAM WALKER - President & CEO

318.371.6303 – graham.walker@fibrebond.com

Graham has served as Fibrebond's President and CEO since March 2015. After joining Fibrebond in 2004, he was named CFO in January 2006. In 2014, Graham started Fibrebond Power, the company's division that builds complex engineered-to-order projects for the data center, petrochemical, power generation, and power distribution market verticals. As President, Graham has accelerated the company's diversification and growth strategy and led the 2015 acquisition of an Illinois-based generator enclosure manufacturer. A second-generation owner of Fibrebond, Graham is a member of the Board of Directors and serves on several local business and charitable boards.

Graham studied History at Sewanee, a Top 25 liberal arts college, where he graduated with honors and was a member of Phi Beta Kappa. He earned an MBA in Finance from Louisiana State University and worked in corporate banking prior to joining Fibrebond. Graham lives in Shreveport, Louisiana, with his wife and three daughters.



BRETT DEAN - Business Unit Director for Gensets

309.249.2511 – brett.dean@fibrebond.com

Brett Dean is a native of the Greater Peoria area. He started his career in the sales department in Edelstein in 2007. He was promoted to his position of Sales Manager in 2010 and became Business Unit Director for our Gensets division in 2017. Brett is a 2006 graduate of the University of Illinois at Urbana-Champaign.



KIM PATE - Director of Business Development for Gensets

229.318.0000 – kim.pate@fibrebond.com

After working for three years as a Business Development Manager for Fibrebond's Telecom division, Kim assumed the position of Director of Business Development for our Gensets division in 2017. Prior to joining Fibrebond, Kim worked for Marvair since late 2008. She held many positions within the organization, including Parts and Warranty Manager, U.S. OEM Sales Manager and U.S. Director of Telecom Sales. Kim is a native of Valdosta, Georgia, and attended David Lipscomb University in Nashville, Tennessee, and later Valdosta State University in Georgia.





DAVE SHINDLEY - Technical Sales Representative

309.249.2513 – dave.shindley@fibrebond.com

Dave has worked for more than 30 years in the power-generation industry. In 1985, Dave started his career as a welder/fabricator. From there, he worked up to weld shop supervisor, and then in 1998, he earned his current position in the technical sales department. Dave enjoys his position in technical sales, from design challenges to the opportunity to develop relationships with customers.



CHUCK SMITH - Technical Sales Representative

309.249.2512 – chuck.smith@fibrebond.com

Chuck joined the team in Edelstein in 1988 and worked his way up to his position in technical sales, where he has worked for approximately 15 years. Chuck attended Lincoln Tech Institute in Des Moines, Iowa, and worked as a mechanic for 11 years prior to joining our team.



GARY SPARKS - Technical Sales Representative

309.249.2514 – gary.sparks@fibrebond.com

Gary has invested nearly 10 years of his career in technical sales for the power generation industry. Gary works closely with Fibrebond customers to evaluate specifications and provide solutions for their genset packages. Gary also has hands-on technical experience having assisted in the assembly of enclosures, prepping for shipment and rigging enclosures.



OUR PROJECTS



PROJECT NAME: Meet-Me Room 3
END USER: 165 Halsey Street
INDUSTRY: Data Center
PROJECT FINAL DESTINATION: Newark, NJ

A 43' long unit housing a 2MW diesel generator integrated with a duct mounted load bank, floor standing cabinet with generator main and load bank breakers, an intake penthouse design to meet footprint restriction by job site and sound rating of 80dBA at 5'.



PROJECT NAME: MSKCC
END USER: Memorial Sloan Kettering Cancer Center
INDUSTRY: Healthcare
PROJECT FINAL DESTINATION: New York, NY

A 2MW generator integrated into a two-piece, hospital-grade sound-attenuated enclosure rated for 65dBA at 5', primary and secondary exhaust silencers, fuel assembly for connection to remote diesel tank, and water mist fire suppression system.



INDUSTRY: Data Center
PROJECT FINAL DESTINATION: Dallas, TX

A 2.5MW generator integrated into a 75dBA at 23' sound rated enclosure, 8,000g UL 142 base tank, floor standing cabinet with 4000 amp generator main circuit breaker.



PROJECT NAME: Kinnick Stadium
END USER: University of Iowa
INDUSTRY: Sports
PROJECT FINAL DESTINATION: Iowa City, IA

A 1MW natural gas generator integrated into an aluminum sound attenuated enclosure rated for 72dBA at 33', stationary intake louvers with interior motorized dampers and space heaters for cold weather application.



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