

Nonmetallic, non-corrosive  
**Enclosure Solutions**  
engineered for

# POWER

## MARKET APPLICATIONS

Rectifiers

Battery Storage

Process Automation

Smart

Frequency Converters

Charging Station

Remote Terminal Unit

Solar Power

Smart Meter Inverter

Wind Turbine Gear Box

Wind

PLC Controllers

Co-Generator

Distributed Control Systems

Line Thermal Monitoring Network Controls

Phase Angle Monitoring Switchgear

Scada Systems Variable Speed

Robotic Controls Charging Station

Control Processing Solar



**ALLIED  
MOULDED  
PRODUCTS, Inc.**

# Advantages of using Allied Moulded Enclosures

Allied Moulded Fiberglass enclosures deliver high performance versus other nonmetallic enclosures. Our fiberglass enclosures provide superior protection properties against chemicals such as strong alkalis, organic acids, and ultraviolet rays. Allied Moulded's fiberglass enclosures resist extremes in temperature and are flame retardant resulting in a very capable product for indoor or outdoor applications. Fiberglass reinforced polyester also exhibits excellent rigid/stiffness characteristics allowing the enclosures to be well suited for conduit installation through their walls.

## Strength & Endurance

Allied Moulded's fiberglass enclosures are lightweight, extremely strong, and robust. They have a high resistance to corrosion and will not rust. They are ideal for applications used outside that must withstand weather and UV exposure, or applications in harsh environments.

## Cost Conscious

Fiberglass enclosures offer significant savings over stainless steel in material costs. There are also lower costs for maintenance and warranty work. A lighter and stronger product results in lower costs for shipping and storage. A lighter product is also easier for a single contractor to install in wall-mount applications, saving time and labor.

## Appearance

Fiberglass is aesthetically pleasing to the eye. There is very little maintenance required and it doesn't rust. A specific color can be molded into any enclosure. Text and logos can be screen printed onto covers for private labeling and instructional needs.

## Custom Design Flexibility

Allied Moulded's enclosures can be conveniently punched, drilled, or sawed for the exact modifications to suit your application. With our new ULTRAPLUG™ hole plug, its easy to maintain applicable NEMA and UL enclosure ratings.

## Industry Applications



Pump Controller



Solar Combiner Box



Smart Grid



DC Combiner Box



Power Junction Box



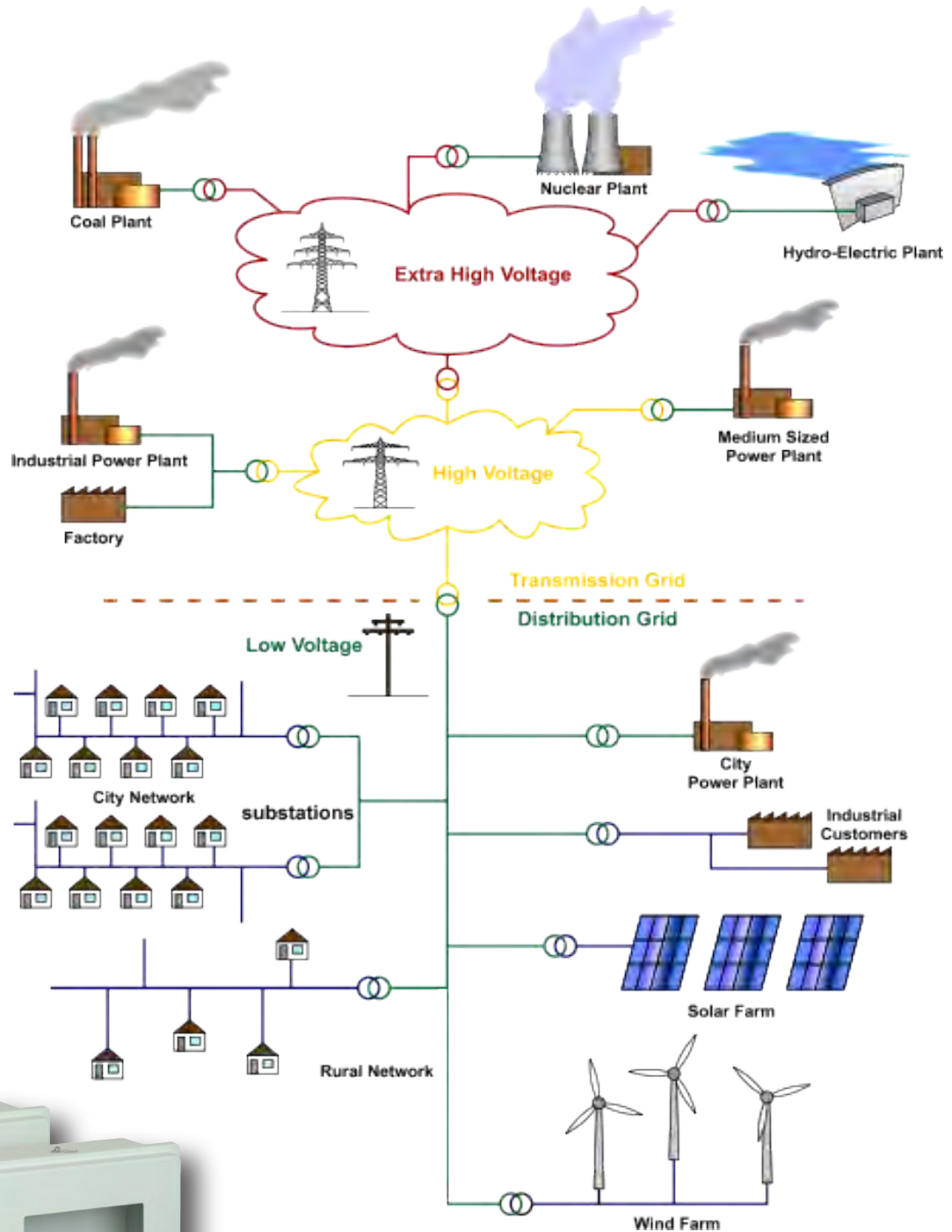
SCADA



Allied Moulded fiberglass enclosures can be found in a multitude of power industry applications all over the world. The rigid design of compression molded fiberglass together with its inherent corrosion resistance, provides a solution to a wide array of enclosure situations within the power market. Our fiberglass enclosures provide superior protection properties against chemicals such as strong alkalis, organic acids, and ultraviolet rays. Allied Moulded's fiberglass enclosures resist extremes in temperature and are flame retardant resulting in a very capable product for indoor or outdoor applications. Fiberglass reinforced polyester also exhibits excellent rigid/stiffness characteristics allowing the enclosures to be well suited for conduit installation through their walls.

Several power industry applications for Allied Moulded's fiberglass enclosures include:

- Battery Storage
- Process Automation
- Rectifiers
- Frequency Converters
- Smart Meter
- Smart Grid
- Distributed Control Systems
- Meters
- Solar Power
- Wind Turbine Gear Box
- Inverters
- Network Controls
- SCADA Systems
- Line Thermal Monitoring
- Variable Speed Drives
- Robotic Controls
- Control Processing
- Switchgear
- Wind
- Charging Station



# Allied Moulded Products, Inc. Advantage

Allied Moulded Products, Inc. (Allied) is the Contractor's Choice of nonmetallic electrical boxes and enclosures in today's residential, commercial and industrial markets. Leveraging more than half-a-century of experience, Allied has grown to become the benchmark of quality within the electrical industry. Our full-service molding operation includes expertise in compression and injection molding, using thermoset and thermoplastic materials, as well as our unique resin transfer molding process. Utilizing a modern, automated assembly process, we are pleased to provide our customers with a superior product at a competitive price. Our unrelenting focus on service, delivery, value, innovation and technology in everything we make and do, has made us who we are today.

Allied offers a full range of residential and manufactured housing products, including: fiberglassBOX™, SLIDERBOX®, flexBOX®, ceiling boxes, fan-rated boxes, vapor seal boxes, range/dryer receptacle boxes, floor boxes, lampholders, luminaires, and other products. Designed with both the electrical professional and the do-it-yourself home owner in mind, Allied's products have earned a reputation for strength, rigidity and innovation.

Allied's industrial enclosures can be found all over the world in many different control applications such as industrial & manufacturing plants, waste water treatment, wind turbines, security, SCADA, solar, marinas, data & telecommunications, mining, and more. Allied's extensive line of NEMA type 4X/IP66 fiberglass reinforced polyester (FRP) enclosures, made with our proprietary ULTRAGUARD® resin formulation, outperform our competitors in the areas of: yellowing, gloss retention, discoloration and change in texture. With a wide range of sizes, accessories and customizations available, Allied offers a complete solution to your industrial enclosure needs. In addition to fiberglass, Allied also offers our POLYLINE® series, a line of polycarbonate, injection-molded enclosures.

Allied's products are marketed in the U.S. primarily through an extensive network of professional manufacturer's reps, all specialists and experts in electrical boxes and enclosures. In addition, our residential line is available through leading home improvement and hardware retail chains. Allied has expanded our global reach, with the addition of Allied Moulded Enclosure Products (India) Pvt Ltd. This new 40,000-square-foot manufacturing facility produces our Industrial line J.I.C. (Joint Industrial Council) and Empire enclosures, for the India and Middle East markets.

Allied Moulded partners with PTI Inc. in Point Pleasant, WV, a custom molder of thermoplastic and thermoset products as well as Fountain City Machining Inc. in Bryan, OH, a manufacturer of molds and stamped metal products.



**ALLIED  
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