



POWER SOLUTIONS CASE STUDY

POWERING MICROGRIDS WITH A CUSTOM SOLUTION

CHALLENGE

When a leader in providing microgrid systems for oil field operators in the Permian needed a custom-built paralleling panel to power pumps, processing equipment, and security systems at remote well sites, they asked AID for help. The project required a fast turnaround, but the customer also wanted a design tailored to their specific needs— not just an off-the-shelf solution. To complicate matters, their initial design included an expensive \$20,000 component that wasn't necessary for the application, and the access setup raised safety concerns for field operators.

SOLUTION

AID partnered closely with the customer to design a brand-new custom paralleling panel that balanced cost, safety, and performance. The new design eliminated unnecessary costs by removing the \$20,000 air circuit breaker. It improved safety with a redesigned access door that reduced the risk of accidental contact. And it was engineered for mobility, creating a trailer-mounted design that fit seamlessly into a tight footprint.

RESULT

The final solution provided a safer, more efficient, and cost-effective product that aligned perfectly with the customer's vision. By working hand-in-hand with the customer, AID delivered a custom solution that not only met technical requirements but also added real value, helping to power vital oil field operations with confidence. The collaboration reinforced AID's reputation for tackling complex engineering challenges with speed and creativity.

FEATURED PRODUCTS



X Cart



Paralleling Panel



iCart