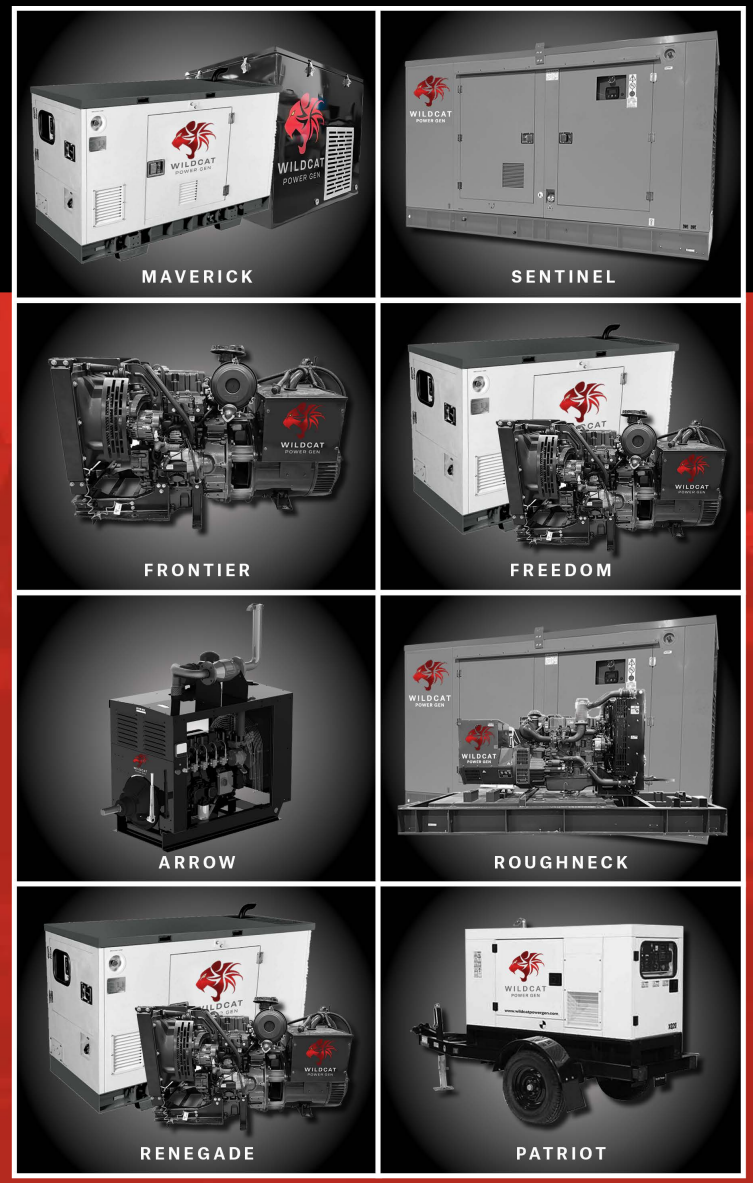
CASE STUDIES
2019 - 2022

WILDCAT
POWER GEN

eNGines-LPG



MAVERICK DC

NECESSITY IS THE MOTHER OF INVENTION

The need for power generation is always changing. Whether it is the evolving emissions laws, the supply and demand of fuel sources, or the daily increase in electricity usage, there are challenges that must be met and opportunities for those that are nimble and resourceful.

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HOW IT WORKS: MAVERICK DC EXPLAINED

The patented Maverick DC saves our clients time and money by monitoring and maintaining charge on their battery banks, versus traditional AC gen sets that backup the whole utility. Running only when a pre-programmed demand is reached, the Maverick DC runs less, burns less fuel, needs less maintenance, and by default, produces less emissions. Watch the Maverick DC Video to Learn More: https://youtu.be/hoF1OnZGZ1E

ELEVATOR PITCH

BATTERY TECHNOLOGY HAS COME A LONG WAY

In the past 20 years, battery technology and applications have changed dramatically. Electric vehicles, battery packs for home power backup, battery powered tools in lawn and construction, and even hundreds of millions of smart phones are better than ever with these advances.

Wildcat Power Gen's founders saw this trend a decade ago, and in 2018 unveiled our first DC generator at the Novi Battery Show in Detroit, Michigan. This gen set became known as the patented Wildcat Maverick DC generator and the Maverick DC has been in production since 2019 serving customers in Telecom, Railways, Oil and Gas, Transportation, and First Response. The result has been a savings to our clients on CAPEX and OPEX.

Our company motto is ***Environmentally-Safe Engine Solutions***, and the Maverick DC is truly a Green Solution that saves time and money.

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MAVERICK

62% LOWER PURCHASE PRICE

84% REDUCTION IN FUEL COSTS

90% LESS WEAR & TEAR

"Sell the problem you solve, not the product." Unknown

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WHY WILDCAT?

WE ARE NOT AFRAID TO GET WILD

Our team can think outside the box. When others say “no”, we say “let’s take a look”. Every generator model we sell was inspired by a client’s needs.

AMERICAN MADE, COMMERICAL GRADE

Clients want stability in their supply chain, and they want quality products that match the commercial application at hand.

A HEART OF GREEN

Environmentally-Safe Engine Solutions is our definition for business existence.

VIP ACCESS AND SUPPORT

Access and Support: Our clients talk with the executives and ownership, and we choose to work in niche industries that need real solutions.

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“If opportunity doesn’t knock, build a door.” Unknown

TELECOM

THE CLIENT REQUEST

The client requested a stand-alone power source for remote locations with the ability to be completely isolated from the utility grid. They also requested voltage selections of 24VDC and 48VDC with multiple fuel options and the ability to parallel to other PV power sources such as wind and solar. Additionally, they needed the ability to change the amount of amps discharged by the generator to coincide with the battery manufacturers recommended charge intervals.

MAVERICK

THE WILDCAT POWER GEN SOLUTION

The diesel- powered Maverick DC Generator 10KW 48VDC with low temperature / high-altitude capability

- ✓ 10KW Prime Rating -11.5KW Intermittent Power
- ✓ This unit produces 10,000+ watts at 8,000 feet above sea level
- ✓ Autonomous operation to support battery backup 200Ah at 48VDC
- ✓ Generator controls fully programmable to customer conditions or needs
- ✓ Maverick is capable of full four mode charging to 58.4VDC
- ✓ Operating range of 0F-130F standard. Options available for support of -40F ambient.

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RAILWAYS

THE CLIENT REQUEST

The Client needed to maintain the operation of crossing arms and lights during any power outage for up to 3 weeks, and a system that could provide remote communication on status to assure 100% uptime.

THE WILDCAT POWER GEN SOLUTION

The Maverick Generator 6KW 24/48VDC Diesel package

- ✓ Autonomous operation to support battery backup 200Ah at 48VDC
- ✓ Continuous duty rated with fully programmable controls
- ✓ Maverick capable of full four mode charging to 58.4VDC
- ✓ Option available to include cyberattack security measures for controller
- ✓ Charge SLA, AGM, Lithium batteries to the right level with powerful auto start and stop system

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TRANSPORTATION

THE CLIENT REQUEST

The Client needed a generator that was 12VDC that could handle 11,000Ah in a workable footprint for ease of end user maintenance.

THE WILDCAT POWER GEN SOLUTION

The Maverick Generator 6KW 12VDC Diesel package

- ✓ Autonomous operation to support battery backup 11,000Ah at 12VDC
- ✓ Continuous duty rated with fully programmable controls
- ✓ Charge AGM batteries to the right level with powerful auto start and stop system
- ✓ Custom footprint package designed for end user

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FIRST RESPONDERS

MAVERICK

THE CLIENT REQUEST

The Client needed a stand-alone power source to ensure radio communications remain operational even if the utility power goes down. Rapid and long-term charging options from a stand-alone source to ensure the battery packs are supported during extended power interruptions.

THE WILDCAT POWER GEN SOLUTION

The Maverick Generator 6KW 24/48VDC Diesel package

- ✓ Autonomous operation to support battery backup 200Ah at 48VDC
- ✓ Continuous duty rated with fully programmable controls
- ✓ Maverick capable of full four mode charging to 58.4VDC
- ✓ Option available to include cyberattack security measures for controller
- ✓ Charge SLA, AGM, Lithium batteries to the right level with powerful auto start and stop system

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PRESS RELEASE

WILDCAT
POWER GEN

Disruption of Power: Engines LPG LLC DBA Wildcat Power Gen Charges Forward On Burgeoning DC Power Generator Industry (prweb.com)

Wichita, KS - With an eye on the future, Engines LPG, LLC DBA Wildcat Power Gen (eNGines-LPG) has launched its proprietary Maverick DC "green generator" globally. Engines LPG has always believed in environmentally-safe engine solutions® for backup power since the company was founded in 2013. In fact, those environmentally-safe solutions are in its company name: NG for Natural Gas and LPG for Liquid Petroleum Gas (Propane).

The company's first three models (Patriot, Roughneck, and Renegade) combined 50 years of engineering and field testing to provide customers with customized traditional AC powered generators geared to be environmentally-safe and reliable. In 2019, the company changed the generator market forever with the introduction of the Maverick – a new approach to DC battery charging.

The Maverick DC generator is the only one of its kind on the market space. A "Green Solution" geared to operate when it is paired to a remote battery bank, the Maverick DC's functionality requires less fuel consumption, reducing its overall emissions footprint. The reduction in carbon output is driven by Maverick DC's autonomy from the power grid and its dedicated focus to the battery itself.

The Maverick DC generator is dependable because it can supplement and monitor its paired battery bank when solar, wind, utility or even AC generator power is reduced by weather conditions or maintenance issues. As a completely autonomous charging station and its ability to charge different types of batteries – lead acid, AGM, Lithium Ion - the Maverick DC generator acts like a car's "Air Bag". One never thinks about an air bag until it deploys but once it does, everyone is thankful. So too is the Maverick DC, silently monitoring, ready to deploy when needed and able to prevent additional damage when and if the "Seat Belt" (AC Generator, Solar Panel or Wind Turbine) does not provide the needed confidence. Additional layers of cyber security and remote monitoring are included to provide confidence against grid hacking attacks and ransomware.

The most compelling features of the Maverick DC are the overall reduced capital outlay and operating expenses. By increasing battery charging efficiencies and removing the entire location backup requirements, the Maverick DC is a 60% cheaper solution compared to a traditional AC generator for ensuring battery voltage charge. It is engineered only to operate when required by the battery banks, which leads to an 84% reduction in fuel, maintenance, and operational costs. Today, the Maverick DC is deployed in industries such as Telecom, Railroad, 911 Systems Backup, Off-Grid, Oil & Gas and Residential, and is offered in custom enclosures, sizes, and even paint codes.

"Our mission is to revolutionize the battery charging world by providing environmentally-safe engine solutions and become the recognized industry leader in the DC generator market. We aim to produce and sell the highest quality product that allow our customers to gain control of costs, maximize battery life, and reduce their carbon footprint," says President Matthew Roeser.

YOUR TEAM

From manufacturing, marketing, customer service and communications industries, this team is here to support our dealers, your customers and families.

MATT

Matt leads this incredible team that come from strategically selected backgrounds

MONICA

Serial Entrepreneur with 25+ years in accounting and finance

JOE

Providing communication and power generator solutions for 20+ years

SCARLETT

Entrepreneur with 10+ years in government and international sales and consulting

SAMMY

Entrepreneur since 1995 with 10+ years marketing experience

KANDI

25+ years in customer service, graphic design and marketing