



STAMFORD® HYBRID



Case history

Frontier Power

Where:

Potato Point &
Cape Hinchinbrook, Alaska

Specified:

10 x STAMFORD® 12KW S0L2-G1
4 x STAMFORD® 24KW S0L2-M1

Purpose:

Provide electric power to remote location off the coast of Alaska. This hybrid system of gensets and battery powered by solar is the only source of power in this region.

Frontier Power is an original equipment manufacturer that provides power solutions to the Western Canada region, serving a variety of challenging applications. They are a leader in offering customised solutions.

This is exemplified in an ongoing project where Frontier Power partnered with Silver Mountain Construction to provide electric power to a remote location off the coast of Alaska. They chose STAMFORD alternators as part of the solution for its durability and performance.

The gensets, powered by propane Kubota engines and paired with solar and wind renewable energy, provide cleaner emissions and an environmentally friendly power solution.



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With vast experience in building custom design package solutions for various applications over the years, Frontier was the partner of choice for us. They did not hesitate to choose STAMFORD alternators for the highly durable specification needed

Silver Mountain Construction

It is critical to have equipment that requires low maintenance and can be relied upon to provide long lasting, reliable performance. Frontier Power packaged the gensets with long run oil systems to reduce the number of service trips to the remote location, thus reducing cost for the customer. To ensure longevity Frontier Power equipped the gensets with STAMFORD alternators and a DC control panel to provide reliable configuration and remote monitoring system.

These gensets and the renewable energy sources are the only sources of power in these remote locations. This hybrid system provides power to charge the battery that in-turn powers the GPS system.

Given the remote location and the harsh environment it presents, there were key challenges that had to be overcome by the customer, mainly in the installation process. All the components were shipped on a series of transports and carried by Rotak Helicopter Services piece by piece to reach the operation site.

All 14 x STAMFORD S0L2 alternators were delivered as part of this project, which has a further 3 years until completion.

We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.



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Part No. CS_WINCO_EN_AF_Rev. 03