



GENERAC
INDUSTRIAL
POWER

SUCCESSFUL SOLUTION

YC Power Provides IHnetworks a complete backup power solution with limited space

Application Background: As part of the expansion plan of IHnetwork's IP transit network, an existing warehouse was purchased in a small Industrial park in Chatsworth, CA. A complete renovation including new incoming utility service, structural upgrades, electrical distribution, provisions for HVAC upgrades to accommodate the new servers and UPS systems was required to bring the facility up to operational readiness. Critical back up power was a necessity but with **limited space** available, the **need for future expansion** capability, and a **tight budget**, all challenged the client for a realistic solution.



Solution: Fortunately YC Power's Matt Stephens, Power Generation Sales Engineer, had the perfect solution, as a similar unit from one of his other projects was just installed nearby at a prominent retailer's warehouse a few months earlier .

The single 1000kW Gemini* diesel modular parallel system (Two 500kw units inside a single enclosure) had a smaller footprint than the competition's single engine 1MW option and with a higher level of sound attenuation. In addition, provisions were made to bring in an additional 500kW for future growth to tie into the transfer switch to increase emergency capacity. This modular approach also provided the client with **redundancy for their critical** loads in the event one engine doesn't start or fails. This redundancy could not be provided by the competitor's single engine approach. Finally, the Gemini system allows the client to take one engine off line for service and maintenance without losing back up protection for their critical load. This eliminated the need for having to rent a mobile temporary generator during maintenance downtime. Utilizing the Gemini parallel approach was also in line with the client's tight budget.

Benefits: Cost savings. Space saving. Expansion capability. Redundancy. Code compliance. All the challenges of installing a critical emergency backup diesel generator in a crowded urban environment within a tight budget can require a different approach. Generac and YC Power Systems continue to meet these challenges with technical expertise and an expansive product line to best meet today's markets most demanding applications.

***[http://www.generac.com/all-products/generators/business-standby-generators/modular-power-system-\(mps\)/1000kw](http://www.generac.com/all-products/generators/business-standby-generators/modular-power-system-(mps)/1000kw)**