

casestudy

product	customer	sector
Pnu Power ReGen²⁰ 20kVA Compressed Air Electricity Regeneration System		ATK Aerospace Systems (www.atk.com) is the world's top producer of solid rocket propulsion systems and a leading supplier of military and commercial aircraft structures.

Pnu Power ReGen systems use the same reliable technology as our compressed air batteries to generate power from waste air.



The Pnu Power ReGen system used by ATK is compact and low maintenance.

challenge

- convert waste compressed air into electrical energy and feed it back into the electrical supply in periods of peak site demand at ATK's launch systems facility in Promontory, Utah, USA
- reduce the site's peak electrical demand periods
- reduce operating costs
- reduce environmental impact

solution

- one custom built Pnu Power ReGenTM 480 Vac, 20kVA peak shaving system
- the system comprises a 20kVA rated, ReGen20 v1.0 unit, an automatic air booster system and a 10 cylinder pack with 300 Bar (4500 PSI) air store
- the ReGen20TM unit is grid connected to the mains electrical supply
- waste compressed air is automatically boosted to 300 Bar (4500 PSI) and stored within a cylinder pack as a buffer supply for peak sharing.

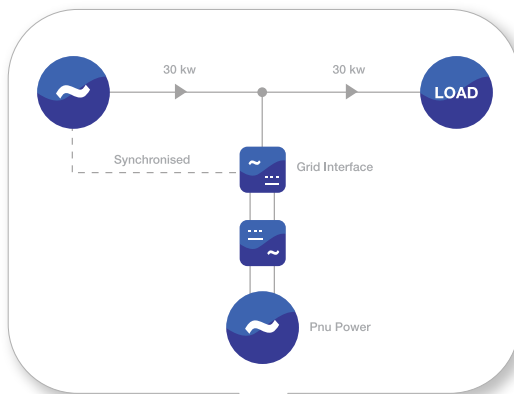
benefits

- in periods of peak electrical demand, the ReGen20TM is activated and converts the energy stored within the air store into electrical energy
- helps to reduce the site's peak electrical demand periods
- low maintenance with good, ongoing return on investment

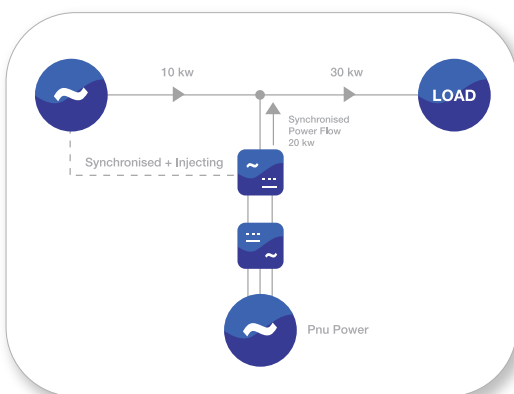
Pnu Power ReGen™

Power Regeneration: Surplus Compressed Air Into Electricity

Typical Pnu Power ReGen System



Normal Mode



Regeneration Mode



Compressed Air Batteries
the smarter backup choice

Technical Information & Support

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