

Westcon Power & Automation is an independent systems integrator that offer battery solutions from several reliable battery manufacturers.

Such hybrid solution is a very attractive option to adopt in marine and offshore market. It provides significant reductions in fuel costs, maintenance & emissions as well as improved safety and efficiency.

Our battery package is specifically designed to meet customers requirements. This is determined through an advance study of the fuel consumption and operation scenarios of the vessel. The in/out power flow between the batteries and the consumer's is done by "active front end" IGBT controlled DC/AC or DC/DC converters.



Why invest?

Purchase cost of battery pack is more expensive than generator. However, with the benefits of using a combination of high performance, lower operating costs and environmental friendly solution, your investment is paid off in 3 to 5 years.

Applications

- Hybrid Propulsion systems
- Power back-up
- Peak-Shave
- Electric Propulsion Systems

System requirement such as I/O, PMS/EMS interface, ventilation and cooling will be evaluated and specified for each individual project

Benefits

- Reduced OPEX by lower fuel consumption
- Safer operation
- Reduced maintenance costs
- Less emissions –Nox, CO2 and SOx
- Faster dynamic response
- Increased redundancy
- Retrofit. Existing vessels may replace diesel generator sets with battery technology.
- Cranes. Stored battery energy supplies peak load conditions, braking energy can be used to charge the battery source
- Energy Storage using batteries supports running of the diesel engines at optimum specific fuel consumption

Contact us:

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Westcon Power & Automation er en uavhengig system integrator som kan levere batterier fra flere batteriprodusenter.

Våre hybrid løsninger gir betydelige reduksjoner i driftskostnader, utslipp og vedlikehold for offshore og maritim markedet.

Våre batteri pakker er spesielt designet for å møte kundenes krav. Vi tilpasser våre løsninger til kundens behov ved og gjøre forstudier på drifts profil, drivstoff forbruk, funksjonalitet etc. Kraft flyten mellom batteriene og forbrukeren gjøres ved "aktiv front end" IGBT kontrollert DC/AC eller DC/DC-converteres.



Hvorfor Investere?

Kort nedbetalingstid: Selv om investeringene i batteripakker er høyere enn en generator, vil lavere driftskostnader og med støtte fra NOx fondet bety at investeringen er nedbetalt på 3 til 5 år

Applikasjoner

- Hybrid Propulsion systems
- Power back-up
- Peak-Shave
- Electric Propulsion Systems

System spesifikke behov relatert til I/O, PMS/EMS tilpassing, ventilasjon og kjøling vil bli vurdert per prosjekt.

Fordeler

- Redusert OPEX av lavere drivstofforbruk
- Sikker drift
- Redusert vedlikeholdskostnader
- Mindre utslipp –Nox, CO2 and SOx
- Raskere dynamisk respons
- Økt redundans
- Retrofit: eksisterende skip kan erstatte dieselgeneratorer med batteripakker.
- Kraner: Batteri leverer effekt, som tar last-topper (Peak-Shave). Ved firing/låring overføres bremse-energi til batteri.
- Energilagring støtter driften av motorer ved optimal spesifikt drivstoff forbruk

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Battery solutions with environmental considerations to your segment needs.

