

Pharma Company Insures A Healthy Level Of Energy Efficiency Performance In New Facility - Northmore Gordon

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Removal covers activities that permanently remove CO₂ from the atmosphere such as new forestry plantations, soil carbon improvement or carbon capture and storage. certificates Live Certificate Prices The value of certificates change day-to-day, check todays prices Solar VEECs (VEU PBA) VEU PBA for Large-scale Solar Measurement & Verification (VEU & ESS) M&V; for Large C&I; Efficiency Projects (VEU PBA & ESS PIAM&V;) BESS Calculator Estimate the Peak Reduction Certificate revenue available to your NSW battery project in minutes ERF & Carbon Credit Registration ACCUs for Emission Reduction Projects Boiler Upgrades (VEU & ESS) NSW & VIC Boiler Rebates REC Registration (I-RECs & LGCs) Register renewable assets for I-RECs and LGCs Trade RECs & Carbon with us Trade Local & International Environmental Attribute Certificates moREnewable100 (RECs & Offsets) Reach Global Sustainability Goals with Certificates and Offsets Deemed Certificates (VEU & ESS) NSW & VIC Rebates Global Certificates Environmental Attribute Certificates Australian Programs Australian EAC Programs Case Studies Sectors Articles Team More Close More Open More Northmore Gordon Learn more about Northmore Gordon with the latest news and insights, were to find us, and the extensive terminology used in emissions reductions About Us Who we are & what we do in energy efficiency & decarbonization. Locations Find our offices near you. Contact Us Get in touch with our team. Careers Join our team making a sustainability difference Articles Learn about energy efficiency & carbon reduction. Latest News Stay informed on industry developments. Government Updates Track policy changes impacting your energy use. Accreditations See our certifications for trusted service. Glossary Define key terms in emissions reduction. Pharma Company Insures A Healthy Level Of Energy Efficiency Performance In New Facility Case Studies May 24, 2023 Northmore Gordon Northmore Gordon worked closely with a Singapore- based parts pharmaceutical plant over 2022 to complete an Energy Efficiency Opportunities Assessment for New Ventures as required by Singapore's National Environment Agency (NEA). The complex requirements of the Program were fully met and the report submitted on time. In addition, NG identified practical energy saving opportunities that are now being implemented as part of the new-build. The Client The International Client is developing a manufacturing facility for pharmaceutical products. It is supported by utilities including Water for Injection (WFI), compressed air, air conditioning and large chiller systems, steam boilers, filling equipment, packaging systems, and cooling towers. The Project To meet the requirements of the Energy Conservation Act, potential new ventures or major expansion of sites in Singapore sites that use over 54 TJ per annum need to undergo a design review, or Energy Efficiency Opportunity Assessment. The upgrades recommended included air-cooled compressors, increase in temperature set points, heat recovery, occupancy sensors, solar PV Solar Photovoltaic , improved perimeter lighting, heat pumps, and optimised boiler sizing. Key Facts EEOA completed in line with regulation Annual Savings Estimates Energy: 11,200 GJ Carbon Abatement: 560 tCO₂e OPEX: ~\$200,000 Project Details CAPEX: ~\$500,000 Payback: ~2.5 years Challenges Competitive pressures to provide high quality service whilst minimising operating costs Energy bills represent a substantial cost the operations New equipment proposed needs to gain approval from their international parent company prior to being used. Additional Benefits Lower running costs when the new facility is built System flexibility whilst maintaining efficiency Our Role Northmore Gordon worked very hard to complete the work to the standard required by the NEA in the line with the development timeframe. This included working with the design team, architects, and M&E; contractors. The work included a detailed base case energy balance, detailed analysis of the design, identification of energy efficiency opportunities in conjunction with the Client, completion of the NEA's report template, and achieving sign-off by the Client stakeholders and the NEA. A global pharmaceutical manufacturer developing advanced production facilities with sophisticated utilities, precision systems, and stringent quality standards. Industry Pharmaceutical Location Singapore Craig Morgan Sales & Marketing Director Contact Craig > You may

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